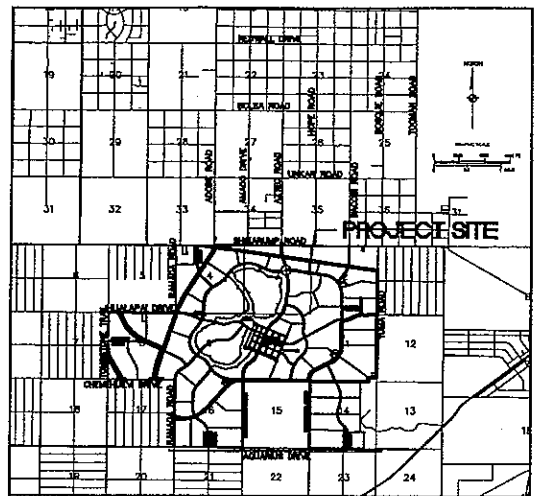
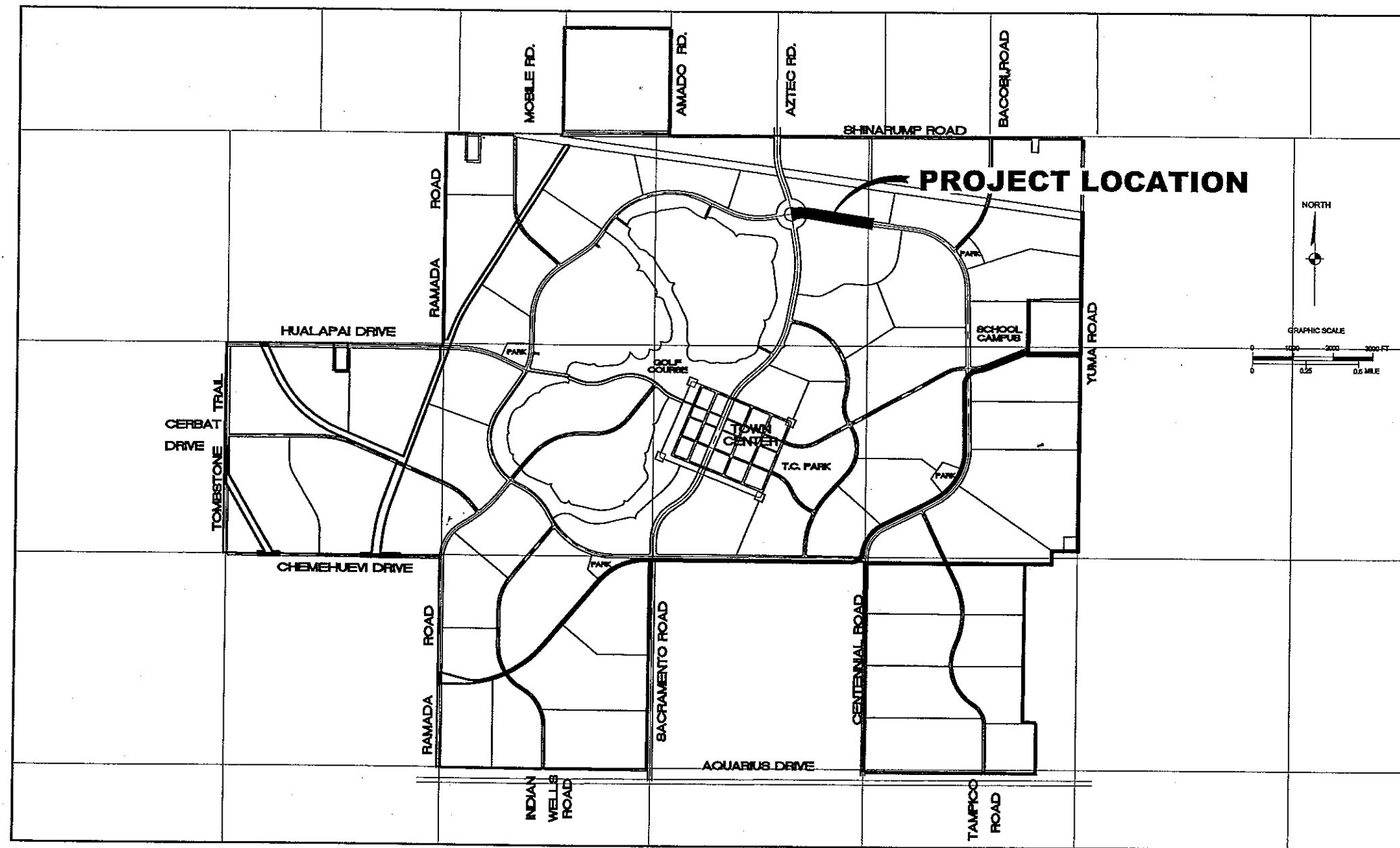


EAST LOOP ROAD SECTION 3 IMPROVEMENTS AT GOLDEN VALLEY RANCH FOR RHODES HOMES ARIZONA, LLC



VICINITY MAP

ENGINEERS ESTIMATED QUANTITIES

SEWER	
ITEM	QUANTITY
18" P.V.C. SEWER LINE	2,734 LF
8" P.V.C. SEWER LINE	225 LF
18" SEWER STUB AND CAP	1 EA
8" SEWER STUB AND CAP	1 EA
60" DIA. SANITARY SEWER MANHOLES	8 EA
48" DIA. SANITARY SEWER MANHOLES	1 EA

STORM DRAIN	
ITEM	QUANTITY
27" RCP STORM DRAIN	0 LF
SCUPPER	0 EA
CURB AND GRATE INLET	0 EA
48" DIA. STORM DRAIN MANHOLE	0 EA

WATER	
ITEM	QUANTITY
24" C900 PVC WATER LINE	1,848 LF
24" BUTTERFLY VALVE	3 EA
24" X 24" X 24" TEE	1 EA
24" X 24" X 8" TEE	0 EA
24" X 24" X 8" TEE	0 EA
24" X 24" X 8" CROSS	0 EA
24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	1 EA
24" 45° BEND	0 EA
24" 22.5° BEND	0 EA
8" C900 PVC WATER LINE	40 LF
8" GATE VALVE	1 EA
8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	1 EA
8" 22.5° BEND	0 EA
8" C900 PVC WATER LINE	0 LF
8" GATE VALVE	0 EA
8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. # 390	0 EA
FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. # 390	0 EA
2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER LINE	0 EA
PER CITY OF KINGMAN STD. DTL. # 344	
(2) 4" PVC IRRIGATION SLEEVES AND (1) 8" IRRIGATION SLEEVE	0 EA

STREETS	
ITEM	QUANTITY
A.C. PAVEMENT	000 CY
TYPE II AGGREGATE BASE	000 CY
STREET NAME SIGN	000 EA
STOP SIGN	000 EA
SPEED LIMIT SIGN	000 EA
NO PARKING SIGN	000 EA
30" ROLL CURB & GUTTER	000 LF
24" RIBBON CURB & GUTTER	000 LF
SEWER VALVE	000 SF
VALLEY GUTTER	000 SF
DRIVEWAY	000 EA
ALLEY ENTRANCE	000 EA
STREET LIGHT AND POLE	000 EA
STREETLIGHT CONDUIT	000 LF
SURVEY MONUMENTS	000 EA

NOTE: QUANTITIES SHOWN ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EXACT QUANTITIES.

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UTILITIES

SEWAGE DISPOSAL:	(TO BE DETERMINED)	
WATER:	(TO BE DETERMINED)	
ELECTRICITY:	UNISOURCE ENERGY	2498 AIRWAY AVENUE (928) 681-4129
TELEPHONE:	FRONTIER COMM.	2202 STOCKTON HILL (928) 753-3000
GAS:	UNISOURCE ENERGY	2498 AIRWAY AVENUE (928) 681-4129
SOLID WASTE COLLECT:	WASTE MANAGEMENT	3250 GATLIN DRIVE (928) 718-4900
SOLID WASTE DISPOSAL:	MOHAVE COUNTY	201 N. 4TH STREET (928) 753-0723
FIRE PROTECTION:	GOLDEN VALLEY DIST.	3327 N. MAYER RD. (928) 565-3479

OWNER

SOUTH DAKOTA CONSERVANCY LLC
4730 S. FORT APACHE RD
SUITE 300
LAS VEGAS, NEVADA 89147
(702) 873-5538

DEVELOPER

RHODES HOMES ARIZONA LLC
2215 HUALAPAI MTN. RD.
SUITE H
KINGMAN, ARIZONA 86401
(928) 718-2210

ENGINEER / SURVEYOR

STANLEY CONSULTANTS, INC.
5820 S. EASTERN AVENUE
SUITE 200
LAS VEGAS, NEVADA 89119
(702) 369-9395

LEGAL DESCRIPTION

A DIVISION OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 34, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA AND SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA

BASIS OF BEARINGS

NORTH 00°12'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS. M.C.S.D. "SD 35" = LATITUDE 35°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD '83) HEIGHT 2466.56824ft (NAVD'88)

BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.
ELEVATION = 2659.468ft (NGVD '29)
CONVERSION = 2662.014ft (NAVD '88) - 2.546 = 2659.468ft (NGVD '29)
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1999 "RLS 10343", LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.



SCALE (H) N.T.S.	SCALE (V) N.T.S.	DRAWN BY ENG	CHECKED BY MPB	DATE 8/31/05
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5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
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 **Stanley Consultants INC.**

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH
EAST LOOP ROAD SECTION 3 IMPROVEMENTS
COVER SHEET
MOHAVE COUNTY ARIZONA

SHEET
G-1
1 OF 16 SHEETS
SCI PROJECT# 18449.03.02

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH MOHAVE COUNTY STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND OTHER COUNTY ADOPTED STANDARDS, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER, OR UNLESS APPROVED AS A PETITION OF EXCEPTION BY HEARING OF THE PLANNING AND ZONING COMMISSION AND THE BOARD OF SUPERVISORS.
2. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FOR ANY WORK TO BE PERFORMED WITHIN THE RIGHT-OF-WAY UNDER THE OWNERSHIP OR CONTROL OF MOHAVE COUNTY. THE COUNTY RESERVES THE RIGHT OF SUPPLEMENTAL INSPECTION OF ALL CONSTRUCTION ACTIVITIES PERFORMED WITHIN THE COUNTY RIGHT-OF-WAY. THE CONTRACTOR SHALL NOTIFY THE COUNTY BY A COURTESY CALL PRIOR TO ENGAGING ANY MAJOR CONSTRUCTION ACTIVITIES WITHIN THE COUNTY RIGHT-OF-WAY.
3. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE COUNTY FROM REVIEWING FOR ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE. REVIEW AND APPROVAL OF PLANS DOES NOT RELEASE ANY DEVELOPER OR ENGINEER FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS ON SAID PLANS.
4. IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL CERTIFIED RECORD DRAWINGS (AS-BUILTS), INCLUDING ALL TEST RESULTS, HAVE BEEN SUBMITTED AND ACCEPTED BY THE COUNTY.
5. THE DEVELOPER, ANY SUCCESSORS, AND ASSIGNS, WILL HOLD THE COUNTY OF MOHAVE, ITS OFFICERS, EMPLOYEES, AND AGENTS HARMLESS FROM ANY AND ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF THIS DEVELOPMENT AS SHOWN HEREON, NOW AND IN THE FUTURE, BY REASON OF FLOODING, FLOWAGE, EROSION, OR DAMAGE CAUSED BY WATER, WHETHER SURFACE FLOOD OR RAINFALL.
6. DRAINAGE WILL REMAIN IN ITS NATURAL STATE AND WILL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN ON THIS DEVELOPMENT PLAN.
7. A FLOODPLAIN USE PERMIT AND FINISHED FLOOR ELEVATION CERTIFICATE ARE REQUIRED FOR ALL PARCELS LOCATED WITHIN THE FEMA DESIGNATED AREAS OF SPECIAL FLOOD HAZARD FOR THE 100-YEAR STORM.
8. ANY RELOCATION, MODIFICATION, ETC., OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY PROPOSED DEVELOPMENT SHALL BE AT NO EXPENSE TO THE COUNTY.
9. THE CONTRACTOR SHALL FOLLOW ALL BLUE STAKE LAWS AND NOTIFY BLUE STAKE (1-800-STAKE-IT), BEFORE DIGGING.
10. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, AS ADOPTED AND MODIFIED BY MOHAVE COUNTY.
11. DELETERIOUS MATERIAL AS DEEMED UNSUITABLE BY THE SOILS ENGINEER FOR USE AS COMPACTED FILL SHALL BE EXCAVATED AND REMOVED FROM THE SITE.
12. WHERE SOIL IS TO BE REMOVED FROM THE SITE, THE CONTRACTOR SHALL DESIGNATE THE LOCATION WHERE THE FILL WILL BE PLACED AND OBTAIN A LETTER FROM THE OWNER OF THAT PROPERTY ALLOWING THE PLACEMENT OF THE MATERIAL. PLACEMENT OF THIS MATERIAL SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS AND PERMITS OF THE GOVERNING JURISDICTION.
13. ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2001 EDITION.
14. EXCEPT FOR THE WORK PERFORMED UNDER THE TERMS OF A FRANCHISE, OR WORK PERFORMED BY A GOVERNMENTAL AGENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL WORK IS INSPECTED AND TESTED BY OR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO SHALL HOLD A VALID REGISTRATION IN THE STATE OF ARIZONA.
15. THE CONTRACTOR SHALL NOT GRADE ANY PARCELS WITH OUTSIDE PRIVATE OWNERSHIP UNTIL PERMISSION TO GRADE HAS BEEN GRANTED BY THE PROPERTY OWNER.
16. THE CONTRACTOR SHALL NOT GRADE ANY ARMY CORPS OF ENGINEERS (ACOE) 404 DESIGNATED WASHES UNTIL 404 PERMIT APPROVAL HAS BEEN GRANTED.
17. AN APPROVED GRADING PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATION FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
18. ALL EXCAVATION AND GRADING OPERATIONS CONDUCTED WITHIN THE COUNTY LIMITS SHALL CONTROL DUST BY WATERING. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DUST CONTROL PERMITS.

SEWER

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.), AND IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 8, TOGETHER WITH THESE PLANS.
2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING: BLUE STAKE 1-800-STAKE-IT AT LEAST 2 WORKING DAYS IN ADVANCE. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
3. WATER/SEWER SEPARATION SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAILS 404-1 AND R18-4-302D. SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 6' HORIZONTAL.
4. CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
5. SEWER MAIN PIPE AND SERVICE SHALL BE P.V.C. SDR-35, MEETING THE REQUIREMENTS OF A.S.T.M. 3034 AND M.A.G. SECTION 745. INSTALLATION SHALL BE IN ACCORDANCE WITH A.S.T.M. STANDARD SPECIFICATIONS D2321.
6. REQUIRED MANHOLES SHALL BE CONSTRUCTED PER M.A.G. STANDARD DETAIL NO. 420.
7. TRENCHING AND BACKFILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION NO. 601 AND A.A.C. R18-9-E301.D.2.H.1 AND R18-9-E301.D.2.H.1. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
8. ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200.
9. ALL MANHOLE FRAME AND COVER GRADE ADJUSTMENTS REQUIRED SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 422.
10. SHARPING OF ALL SEWER MANHOLE BOTTOMS SHALL BE PER M.A.G. STANDARD SPECIFICATIONS NO. 623.3.1.
11. ALL MANHOLES AND DROP SERVICE CONNECTIONS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO. 420. FOR MANHOLES THAT HAVE AN ELEVATION DROP BETWEEN INLET AND OUTLET BETWEEN 1' & 2', THERE SHALL BE CONSTRUCTED IN THE MANHOLE FLOOR A CONCRETE FILLET/CHAMFER FROM THE INLET TO THE MANHOLE TO THE OUTLET SIDE WHICH SHALL HAVE A SLOPE AT A MINIMUM GRADE OF 2:5% TO PREVENT SOLIDUS DROST. FOR A DROP IN EXCESS OF 2.5', REFER TO M.A.G. STANDARD DETAIL NO. 428.
12. ALL SEWER SERVICE CONNECTIONS SHALL MEET THE REQUIREMENTS M.A.G. STANDARD DETAIL NO. 440, TYPE "A". NOTE: SEWER SERVICE CROSSING OF WATER MAIN WITHIN THE RIGHT OF WAY MAY REQUIRE PROTECTION PER M.A.G. STD. DET. 404.
13. SEWER CLEANOUT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 441.
14. MINIMUM DEPTH OF COVER TO THE TOP OF SEWER PIPE SHALL NOT BE LESS THAN 3 FEET PER A.A.C. R18-9-E 301.
15. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.
16. ALL SEWER MAINS SHALL BE P.V.C. SDR-35 SEWER PIPE AND CONFORM WITH ASTM D-2321 STANDARD SPECIFICATIONS.
17. ALL SEWER LINE SEGMENTS SHALL BE TESTED FOR LEAKAGE AS PER ASTM (F-1417-92), REAPPROVED 1998.
18. THE CONTRACTOR SHALL ADJUST VALVES, MANHOLES, CLEANOUTS, ETC. BOTH OLD AND NEW TO FINISH PAVEMENT GRADE PER M.A.G. STANDARD DETAIL 270 AND 420. PROVIDE CONCRETE ENCASMENT FLUSH WITH FINISH PAVEMENT GRADE.
19. ALL MANHOLES SHALL BE TESTED BY EXHAUSTION OR VACUUM TEST A.A.C. R18-9-E301 D.3.F.
20. 100 PERCENT OF ALL SEWER MAINS NEWLY CONSTRUCTED SHALL HAVE A DEFLECTION TEST OF THE TOTAL LENGTH PER A.A.C. R18-9-E301.D.2.1.
21. ALL MANHOLES LOCATED WITHIN DRAINAGE EASEMENTS SHALL HAVE WATER TIGHT LIDS PER A.A.C. R18-9-E301.D.3.F.
22. CONTRACTOR IS TO FIELD VERIFY THE ELEVATIONS OF EXISTING SEWERS AT CRITICAL POINTS OF THE IN AND/OR INTERCEPTION PRIOR TO PROCEEDING WITH THE BALANCE OF SEWER TRENCHING. IF THE FALL BETWEEN CRITICAL POINTS IS LESS THAN THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL CEASE WORK ON THE AFFECTED SEWER LINE AND CONTACT THE ENGINEER FOR RE-DESIGN.
23. CONTRACTOR SHALL INSTALL SEWER SERVICE LINE(S) AS SHOWN ON THE PLANS. THE DEPTH OF THE SEWER SERVICE LINE(S) AT THE POINT OF TERMINATION, SHALL BE DEEP ENOUGH TO SERVICE THE ENTIRE LOT IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
24. INSTALL M.A.G. STANDARD DETECTABLE TAPE OR PLASTIC COATED (BLUE FOR WATER AND GREEN FOR SEWER) #8 WIRE FOR ALL WATER AND SEWER LINES.
25. ALL SEWER MAINS SHALL BE TESTED THE FULL LENGTH INSTALLED FOR UNIFORM SLOPE BY LAUNCHING REMOTE CAMERA, OR SIMILAR METHOD APPROVED BY ADEQ, AND RECORD RESULTS.

WATER

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.), AND IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 8, TOGETHER WITH THESE PLANS.
2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING: BLUE STAKE 1-800-STAKE-IT AT LEAST 2 WORKING DAYS IN ADVANCE. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
3. CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
4. WATER MAIN SHALL BE P.V.C. PIPE CLASS 150, MEETING THE REQUIREMENTS OF A.A.C. R-900.
5. WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 8.
6. WATER/SEWER SEPARATION SHALL MEET THE REQUIREMENTS OF R18-4-302C (LATEST REVISION). SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 6' HORIZONTAL.
7. TRENCHING AND BACKFILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION 601. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
8. CURB STOP WITH FLUSHING PIPES SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO. 390, TYPE "A".
9. ALL FITTINGS FOR WATER MAINS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SECTION 752.
10. ALL THRU-STOP BLOCCING FOR WATER LINES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 380.
11. ALL BLOCCING FOR WATER GATE VALVES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 301.
12. PAYMENT FOR CONSTRUCTION SHALL BE MADE ON THE BASIS OF UNIT PRICE BID IN THE CONTRACTORS PROPOSAL. ALL ITEMS CALLED FOR ON THE PLANS BUT NOT LISTED IN BID ITEMS SHALL BE CONSIDERED INCIDENTAL. SAID ITEMS INCLUDE BUT ARE NOT LIMITED TO: WATER LINE BLOCCING, NON-METALLIC TAPING, TESTING, SALVAGING MATERIAL, EXISTING UTILITIES CONNECTIONS, ETC.
13. ALL TAPPING SLEEVES, VALVES AND VALVE BOXES ON WATERLINES SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 630, AND M.A.G. STANDARD DETAIL NO. 340.
14. WATER METER COVERS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 310, AND WATER METER BOXES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 320.
15. ALL FITTINGS AND VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL VALVES ARE TO BE PLUMB AND HAVE STRAIGHT ALIGNMENT.
16. WATER MAIN SHALL BE TESTED IN ACCORDANCE WITH M.A.G. SECTION 610-14, AND IN ACCORDANCE WITH M.A.G. SECTION 610.14 FOR DUCTILE IRON PIPE.
17. ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200-1.
18. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.
19. ALL WATER PIPES SHALL BE LEAD FREE PER A.A.C. R18-4-504.
20. ALL MAINS SHALL BE DISINFECTED PER BULLETIN 8 AND SHALL BE WITNESSED BY A REPRESENTATIVE OF STANLEY CONSULTANTS. ALL WATER MAINS SHALL HAVE NO MORE THAN 100 PPM CHLORINE PRESENT AT TIME OF CHLORINING. 24 HOURS LATER ALL WATER MAINS SHALL HAVE GREATER THAN 30 PPM OF CHLORINE PRESENT.
21. FINAL FLUSHING AND SAMPLING AND TESTING SHALL BE PERFORMED AND ACCEPTED PRIOR TO PLACING WATERLINES IN SERVICE AS PER M.A.G. STANDARD SPECIFICATIONS 611.45.
22. INSTALL M.A.G. STANDARD DETECTABLE TAPE OR PLASTIC COATED (BLUE FOR WATER AND GREEN FOR SEWER) #8 WIRE FOR ALL WATER AND SEWER LINES.

STREET

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.), UNLESS OTHERWISE NOTED ON THE PLANS.
2. THE EXACT LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING: BLUE STAKE 1-800-STAKE-IT AT LEAST 2 WORKING DAYS IN ADVANCE. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
3. ALL BACKFILL, PAVEMENT AND SURFACE REPLACEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 200-1 AND M.A.G. STANDARD SPECIFICATION SECTION 335. ALL TRENCHES SHALL MEET OSHA REQUIREMENTS.
4. ROADWAY EXCAVATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 205; M.A.G. SPECIFICATION 225 FOR WATERING AND M.A.G. STANDARD SPECIFICATION 301 FOR SUBGRADE PREPARATION.
5. CONTRACTOR SHALL REPLACE ANY INADEQUATE SUBGRADE MATERIAL WITH APPROPRIATE BACKFILL AS DIRECTED BY THE PROJECT ENGINEER.
6. ALL STREET AGGREGATE BASE SHALL MEET THE REQUIREMENTS OF M.A.G. SECTION 310.
7. ALL ASPHALT CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SECTION 321.
8. FOG SEAL SHALL MEET M.A.G. STANDARD SECTION 333.
9. CONCRETE CURB AND GUTTER SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL 220.
10. SIDEWALKS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO.230 & SHALL CONFORM WITH M.A.G. SPECIFICATION 340.
11. ALL POURED CONCRETE STRUCTURES SHALL MEET THE REQUIREMENTS OF M.A.G. STD SPECIFICATIONS, SECTION 305.
12. THE EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE COUNTY ENGINEER OR AUTHORIZED REPRESENTATIVE.
13. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADJUSTMENT AND PLACEMENT OF CONCRETE COLLARS, FRAMES, COVERS, AND VALVE BOXES AS NECESSARY FOR A COMPLETE JOB AS APPROVED BY THE COUNTY ENGINEER.
14. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED & APPROVED UNDER THIS PROPOSED PAVED AREA.
15. BASE COURSE SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE COUNTY ENGINEER.
16. NO JOB SHALL BE CONSIDERED COMPLETED UNTIL CURBS, PAVEMENTS AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS, AND SURVEY MONUMENTS ARE INSTALLED.
17. THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE REFERENCED BY THE CONTRACTOR AND MADE AVAILABLE TO THE COUNTY.
18. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.
19. EXISTING STREET AND TRAFFIC SIGNS WILL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
20. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW TRAFFIC CONTROL SIGNS AND MARKINGS IN ACCORDANCE WITH THE 2001 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

STORM WATER POLLUTION PREVENTION PLAN

DATED SEPTEMBER, 2005 AND PREPARED BY:
STANLEY CONSULTANTS, INC.
5820 S. EASTERN AVE., SUITE 200
LAS VEGAS NV 89119
(702) 369-9396

SITE GRADING

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY: AMERICAN SOILS ENGINEERING, LLC.
DATED: 12 SEPTEMBER 05
PROJECT NO.: 1060-020

FEMA FLOOD ZONE

FEMA MAP: PANEL NO. 040058 2325C
MAP UPDATE: 001 29, 2000

PHASE 1 OF AREA 2 LIES WITHIN AN AREA DESIGNATED AS A FEMA FLOOD ZONE "C", WHICH IS OUTSIDE THE AREA OF THE 100 YEAR STORM.

ENGINEER'S NOTES

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLYING CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
2. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS, AND SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
3. ADD 2500' TO ALL ELEVATIONS < 500' ON THESE DRAWINGS TO GET ACTUAL ELEVATION.
4. SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION.

LEGEND

FINISHED FLOOR ELEVATION	AVE
PAD ELEVATION	BC
BASE FLOOD ELEVATION	BCR
EXISTING GRADE CONTOUR	BCL
MAJOR CONTOUR	BW
MINOR CONTOUR	BVC
TOP OF CURB	BENCH MARK
FINISHED GRADE	BEGINNING OF VERTICAL CURVE
FLOW LINE	CURB AND GUTTER
HIGH POINT	COMMON ELEVATION
CENTER LINE GRADE	CURB FOOT
EDGE OF PAVEMENT	CORRUGATED METAL PIPE
TOP BACK OF CURB BEGIN RADIUS	COMMERCIAL DRIVEWAY
FUTURE GRADE	CONCRETE
EXISTING GRADE	CONSTRUCTION OR CONSTRUCT
HIGH POINT SWALE DIRECTION	CURB STATIONING
OUTLETS/STATIONING	CURB YARD
RATE & DIRECTION OF SLOPE	DRAINAGE EASEMENT
SWALE	DEPRESSED TOP OF CURB
R/W LINE	DETAIL
CENTER LINE	END OF VERTICAL CURVE
EXISTING EDGE OF PAVEMENT	EDGE OF PAVEMENT
EDGE OF PAVEMENT	EXISTING
RETAINING WALL	FIRE DEPARTMENT CONNECTION
PERIMETER BLOCK WALL	FINISH FLOOR
EASEMENT LINE	FINISH GRADE
CURB & GUTTER	FLOW LINE
EX CURB & GUTTER	GAS
GRADE BREAK	GRADE BREAK
SUBDIVISION/PHASE BOUNDARY	HIGH POINT
DRIVEWAY	INVERT
S/W RAMP	LENGTH
CUT OR FILL SLOPES	MIDPOINT OF VERTICAL CURVE
EX STREETLIGHT	MARICOPA ASSOCIATION
100 WATT LUMINAIRE	OF GOVERNMENTS
250 WATT LUMINAIRE	MANHOLE
UTILITY POLE	MINIMUM
EXISTING SIGNAL WITH LUMINAIRE	NOT TO SCALE
STREET NAME SIGN	POLYVINYL CHLORIDE
MISCELLANEOUS SIGN	PRIVATE
36" STOP SIGN	POINT OF CURVE
SERVICE POINT	POINT OF COMPOUND CURVE
PULL BOX	POINT OF INTERSECTION
EXISTING STREET LIGHT BOX	PROPERTY LINE
PROPOSED BARRICADE	POINT OF REVERSE CURVE
	POUNDS PER SQUARE INCH
	POINT OF VERTICAL INTERSECTION
	POINT OF TANGENCY
	PUBLIC UTILITY EASEMENT
	PEDESTRIAN ACCESS EASEMENT
	REINFORCED CONCRETE BOX
	RIGHT OF WAY
	STORM DRAIN
	STREET LIGHT
	SANITARY SEWER
	STANDARD
	SIDEWALK
	TELEPHONE
	TOP OF CURB
	TO BE DETERMINED
	TRANSITION
	TYPICAL
	VERTICAL CURVE
	VALLEY GUTTER
	WATER
	WATER METER
	YARD

ABBREVIATIONS

AVE	AVENUE
BC	BACK OF CURB
BCR	BACK OF CURB RADIUS
BCL	BACK OF CURB LENGTH
BW	BENCH MARK
BVC	BEGINNING OF VERTICAL CURVE
CATV	CABLE TELEVISION
C&G	CURB AND GUTTER
CE	COMMON ELEVATION
C/L OR E	CENTERLINE
C&F	CURB FOOT
CNP	CORRUGATED METAL PIPE
COMM DWY	COMMERCIAL DRIVEWAY
CONC	CONCRETE
CONST	CONSTRUCTION OR CONSTRUCT
CS	CURB STATIONING
CU YD	CURB YARD
DE	DRAINAGE EASEMENT
OTC	DEPRESSED TOP OF CURB
DTL	DETAIL
END	END OF VERTICAL CURVE
EP	EDGE OF PAVEMENT
EX OR EXIST	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FG	FINISH GRADE
FL OR E	FLOW LINE
G	GAS
GP	GRADE BREAK
HP	HIGH POINT
IBV	INVERT
L	LENGTH
MVC	MIDPOINT OF VERTICAL CURVE
M.A.G.	MARICOPA ASSOCIATION OF GOVERNMENTS
MH	MANHOLE
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
PRVT	PRIVATE
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRG	POINT OF REVERSE CURVE
PSI	POUNDS PER SQUARE INCH
PIV	POINT OF VERTICAL INTERSECTION
PT	POINT OF TANGENCY
PUE OR P.U.E.	PUBLIC UTILITY EASEMENT
P&E	PEDESTRIAN ACCESS EASEMENT
R&W	REINFORCED CONCRETE BOX
R/W OR R.O.W.	RIGHT OF WAY
SD	STORM DRAIN
SL/STLT	STREET LIGHT
SS	SANITARY SEWER
STD	STANDARD
S/W OR SW	SIDEWALK
TC	TELEPHONE
TBD	TO BE DETERMINED
TRN	TRANSITION
(TYP)	TYPICAL
VC	VERTICAL CURVE
VERT	VALLEY GUTTER
VG	WATER
WM	WATER METER
YD	YARD

NOTE: ALL ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT APPEAR ON THIS SET OF DRAWINGS.

EXISTING FIRE HYDRANT
PROPOSED FIRE HYDRANT
PVC WATER
TEE W/ VALVE
3/4" WATER METER W/ 1" WATER LATERAL
2" BLOWOFF ASSEMBLY
GATE VALVE
45°, 90° BEND
CROSS
INDIVIDUAL PRESSURE REDUCING VALVE
48" SANITARY SEWER MANHOLE
PVC SANITARY SEWER MAIN (PUBLIC)
4" SERVICE LATERAL W/ 1/4" WYE
INDIVIDUAL SEWER BACKWATER VALVE
STORM DRAIN MANHOLE
STORM DRAIN PIPE
STORM DRAIN INLET

BASES OF BEARINGS

NORTH 001°35' EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WP). WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "50 35" = LATITUDE 35°09'22.43032"N,
LONGITUDE 114°10'58.56309"W (NAD '83)

HEIGHT 2466.56924Hr (NAVD'88)

BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.
ELEVATION= 2659.468 IFT (NGVD '29)
CONVERSION= 2652.014 IFT (NAVD '83) - 2.548 = 2659.468 IFT (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE
STAMP MOHAVE COUNTY 1998 "RLS 10345"
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X
AZTEC AT CHUAR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

NOTE

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY S&S TEK, INC.
DATED APRIL 25, 2005
PROJECT NO. 5821-LVB

1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils exposure nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information.

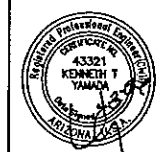
2) Retaining and block walls masonry barrier protection reference IBC. See the Geotechnical Report for more information.

DISCLAIMER NOTE

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(1-800-STAKE-IT)

Call before you Overhead
1-928-753-5591
overhead



SCALE (H) N.T.S.	SCALE (V) N.T.S.	DRAWN BY ENG	CHECKED BY MPB	DATE 8/31/05
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5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
Tel: (702) 369-9396 Fax: (702) 369-9793
www.stanleyconsultants.com

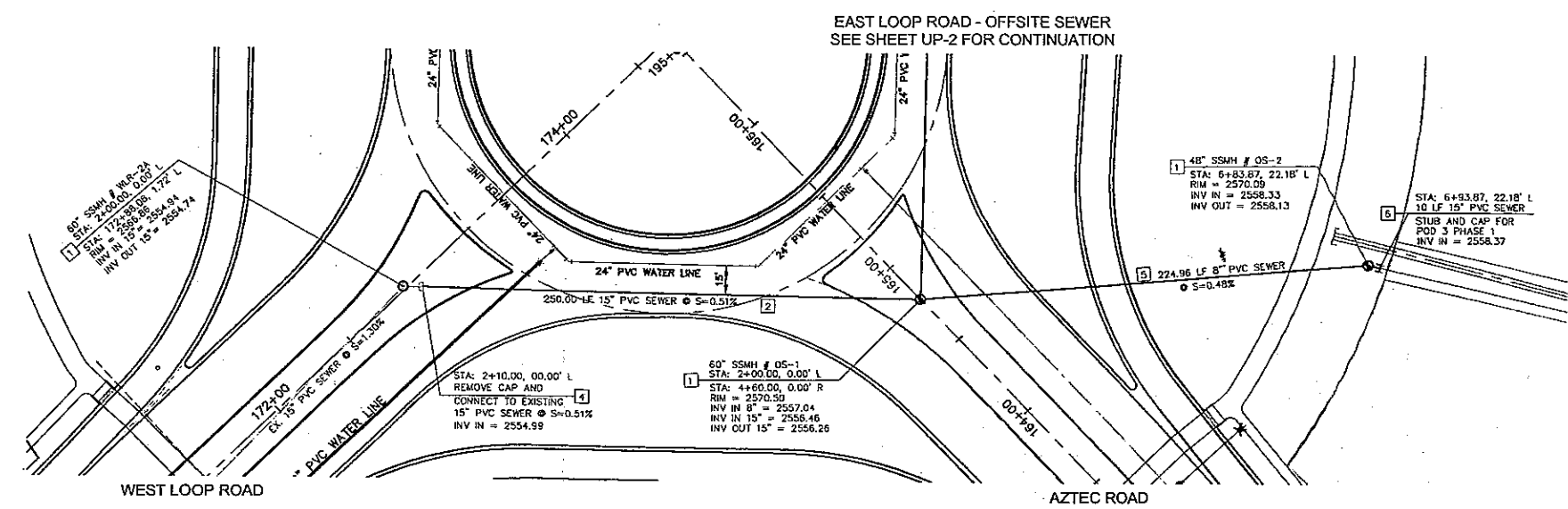
Stanley Consultants, Inc.



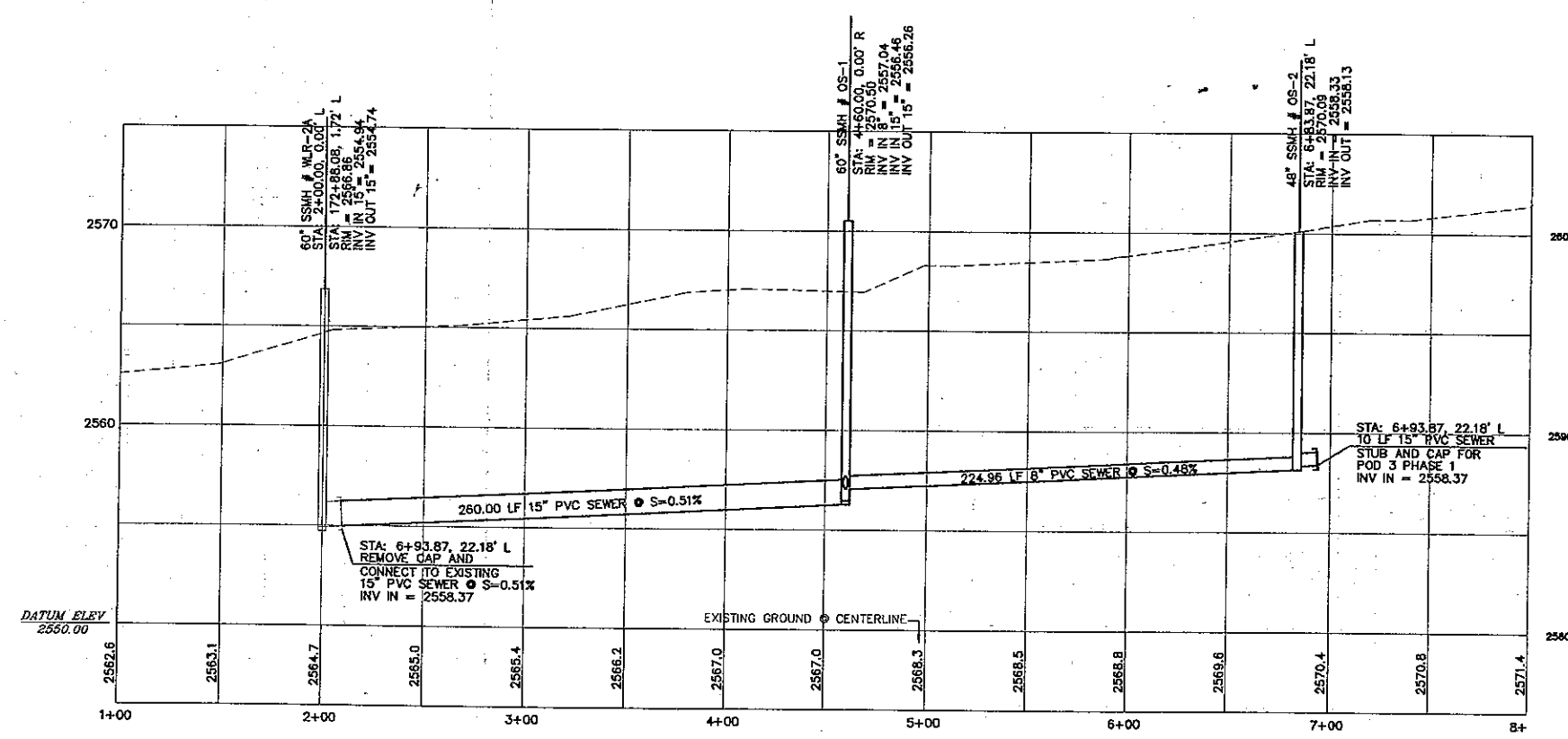
PHOENIX HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

EAST LOOP ROAD SECTION 3 IMPROVEMENTS
GENERAL NOTES AND ABBREVIATIONS
MOHAVE COUNTY

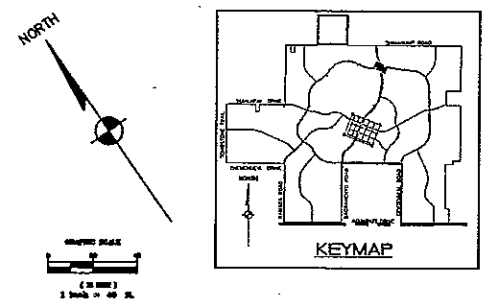
SHEET
G-2
2 OF 16 SHEETS
SOI PROJECT#
18449.03.02



OFFSITE SEWER - PLAN
SCALE: HORIZ 1"=40'



OFFSITE SEWER - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'



LEGEND
WATER

- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- 3/4" DUAL WATER METERS
- W/ 1" COPPER WATER LATERALS
- FIRE HYDRANT ASSEMBLY
- TEE W/ VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4", 22 1/2", 45", 90" BEND

SEWER

- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- 48" STUB AND CAP
- SEWER BACK WATER VALVE

SEWER CONSTRUCTION NOTES

- INSTALL 48" DIAMETER MANHOLE PER M.A.C. STANDARD DETAIL NO. 420
- INSTALL 15" PVC SEWER MAIN
- INSTALL 4" PVC SEWER LATERAL PER M.A.C. STANDARD DETAIL NO. 440
- INSTALL 15" PVC SEWER STUB & CAP
- INSTALL 6" PVC SEWER MAIN
- INSTALL 6" PVC SEWER STUB & CAP

BASE OF BEARING

NORTH 001°33' EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (FT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" - LATITUDE 35°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD '83)

HEIGHT 2466.56824M (NAVD'88)

BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.
ELEVATION= 2559.488 FT (NGVD '29)
CONVERSION= 2682.014 FT (NAVD '88) - 2.546 = 2659.468 FT (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE
STAMP MOHAVE COUNTY 1999 "RLS 10343",
LOCATED AT THE SOUTHWEST CORNER OF
AZTEC ROAD AND BOLSA DRIVE

NOTE:
ALL CONSTRUCTION SHALL CONFORM WITH THE
SOILS REPORT PREPARED BY GEO TEK, INC.,
DATED APRIL 23, 2003
PROJECT NO. 5873-LVS

FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X
AZTEC AT CHAIR DOES NOT LIE WITHIN
A DESIGNATED SPECIAL FLOOD HAZARD AREA.

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 10-18-05

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(1-800-254-8610)

Call before you Overhead
1-928-753-5591

WATER CONSTRUCTION NOTES

- INSTALL 24" C900 PVC WATER LINE
- INSTALL 24" BUTTERFLY VALVE
- INSTALL 24" X 24" X 24" TEE
- INSTALL 24" X 24" X 8" TEE
- INSTALL 24" X 24" X 6" TEE
- INSTALL 24" X 24" X 8" CROSS
- INSTALL 24" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
- INSTALL 24" 45° BEND
- INSTALL 24" 22.5° BEND
- INSTALL 8" C900 PVC WATER LINE
- INSTALL 8" GATE VALVE
- INSTALL 8" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
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- INSTALL FIRE HYDRANT ASSEMBLY PER M.A.C. STD. DTL. NO. 360
- INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF WINDHAM STD. DTL. NO. 344
- INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE

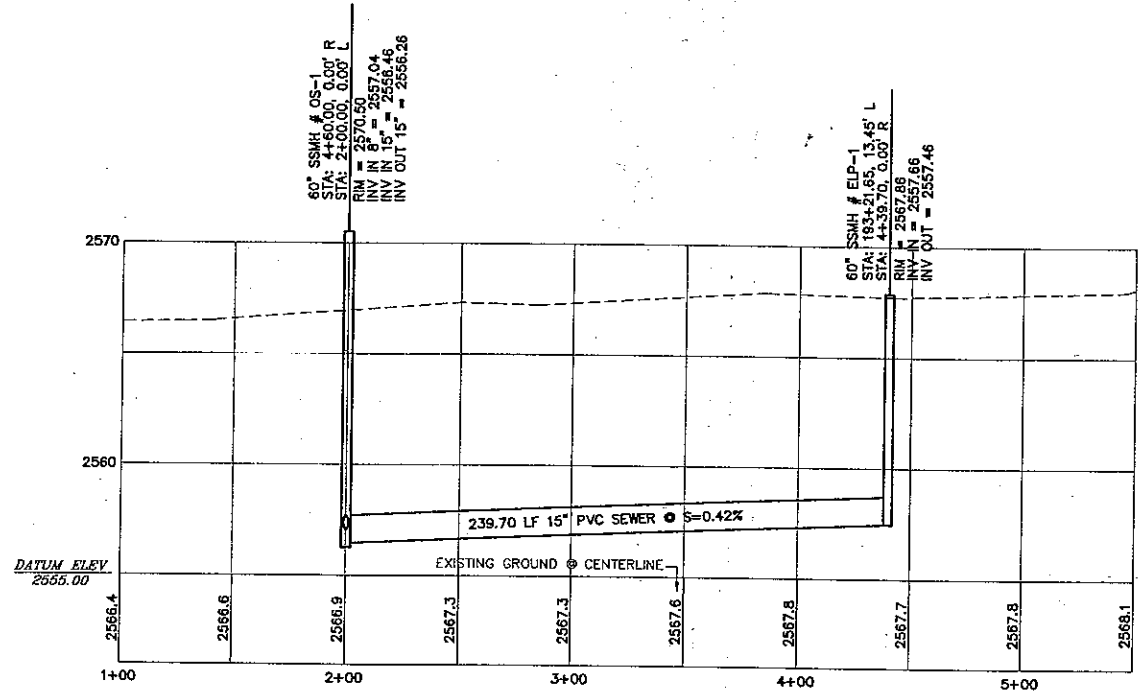
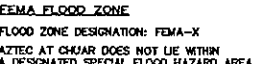
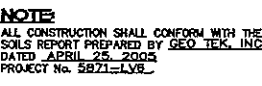
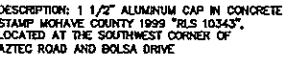
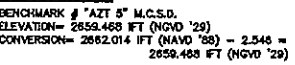
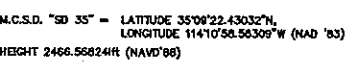
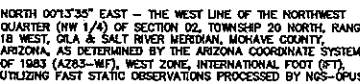
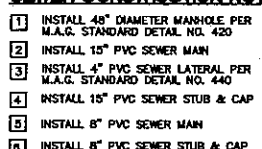
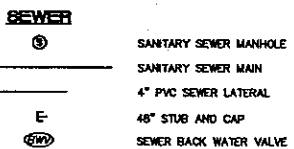
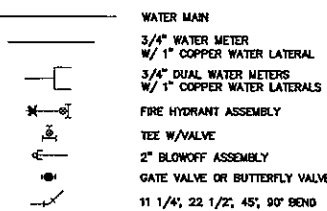
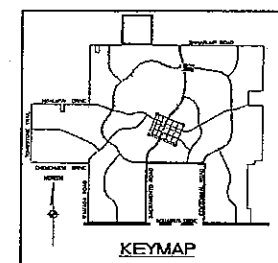
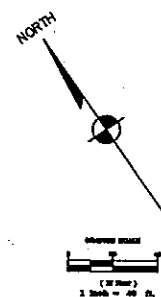
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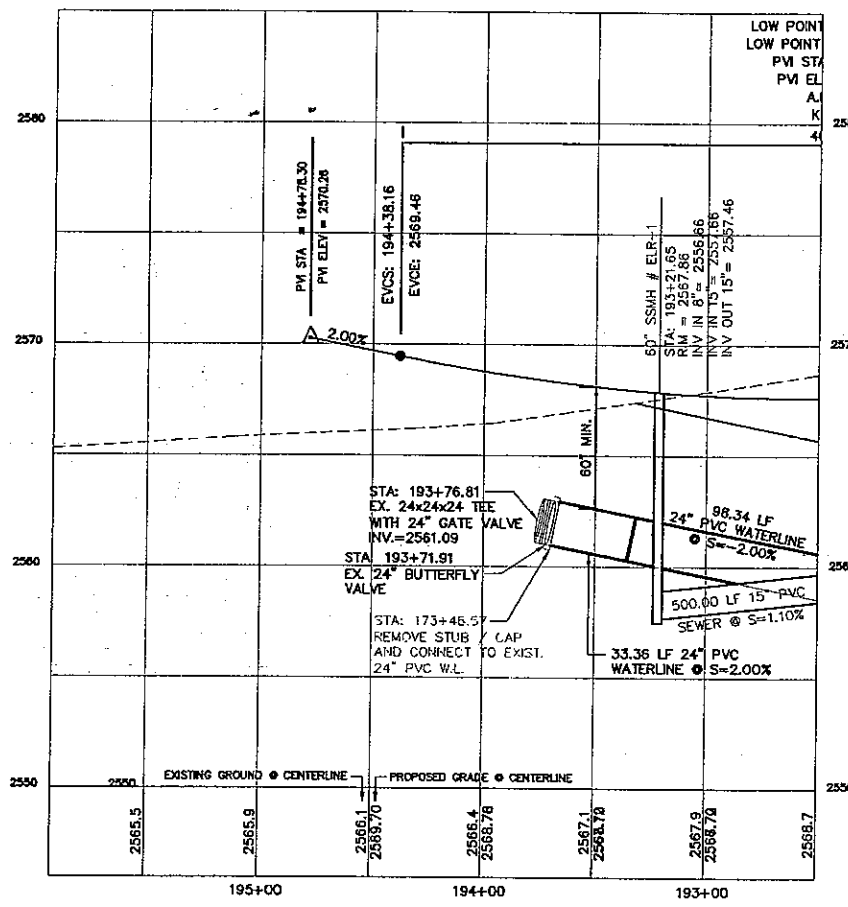
RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH
EAST LOOP ROAD SECTION 3 IMPROVEMENTS
UTILITY PLAN AND PROFILE
MOHAVE COUNTY, ARIZONA

SHEET
UP-1
7 OF 16 SHEETS
SCS PROJECT#
18449.03.02

SCALE (H) 1" = 40'
SCALE (V) 1" = 4'
DRAWN BY EMG
CHECKED BY MPB
DATE 8/25/05



OFFSITE SEWER - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'



EAST LOOP ROAD - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'

1	INSTALL 24" CS900 PVC WATER LINE	11	INSTALL 6" GATE VALVE
2	INSTALL 24" BUTTERFLY VALVE	12	INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
3	INSTALL 24" X 24" X 24" TEE	13	INSTALL 8" 22.5° BEND
4	INSTALL 24" X 24" X 8" TEE	14	INSTALL 6" CS900 PVC WATER LINE
5	INSTALL 24" X 24" X 6" TEE	15	INSTALL 6" GATE VALVE
6	INSTALL 24" X 24" X 8" X 8" CROSS	16	INSTALL 6" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
7	INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390	17	INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
8	INSTALL 24" 45° BEND	18	INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF WINDHAM STD. DTL. NO. 344
9	INSTALL 24" 22.5° BEND	19	INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE
10	INSTALL 8" CS900 PVC WATER LINE		

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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utility lines. It's costly.
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(1-800-STARK-11)

Avoid overhead power
line contact.
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before you
Overhead
1-928-753-5591
overhead

SCALE (H) 1" = 40'

SCALE (V) 1" = 4'

DRAWN BY EMG

CHECKED BY MPB

DATE 8/25/05

820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119

(702) 369-9396 Fax (702) 369-9793
www.stanleygroup.com

Conclusions

CHILDS INC.

Stanley Consultants INC.

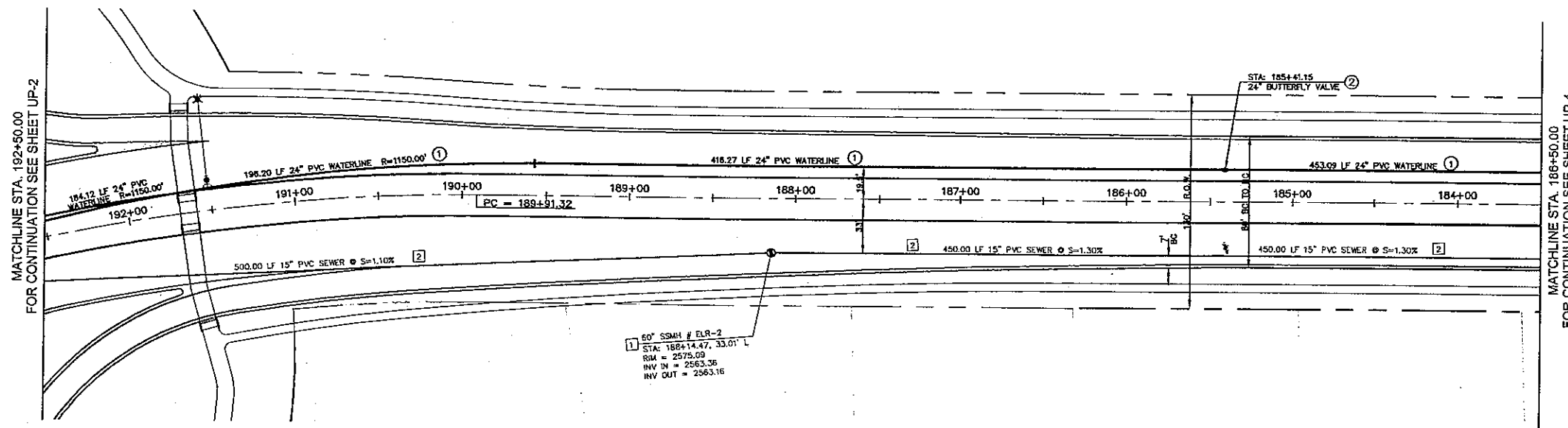
**RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH**

EAST LOOP ROAD SECTION 3 IMPROVEMENTS UTILITY PLAN AND PROFILE

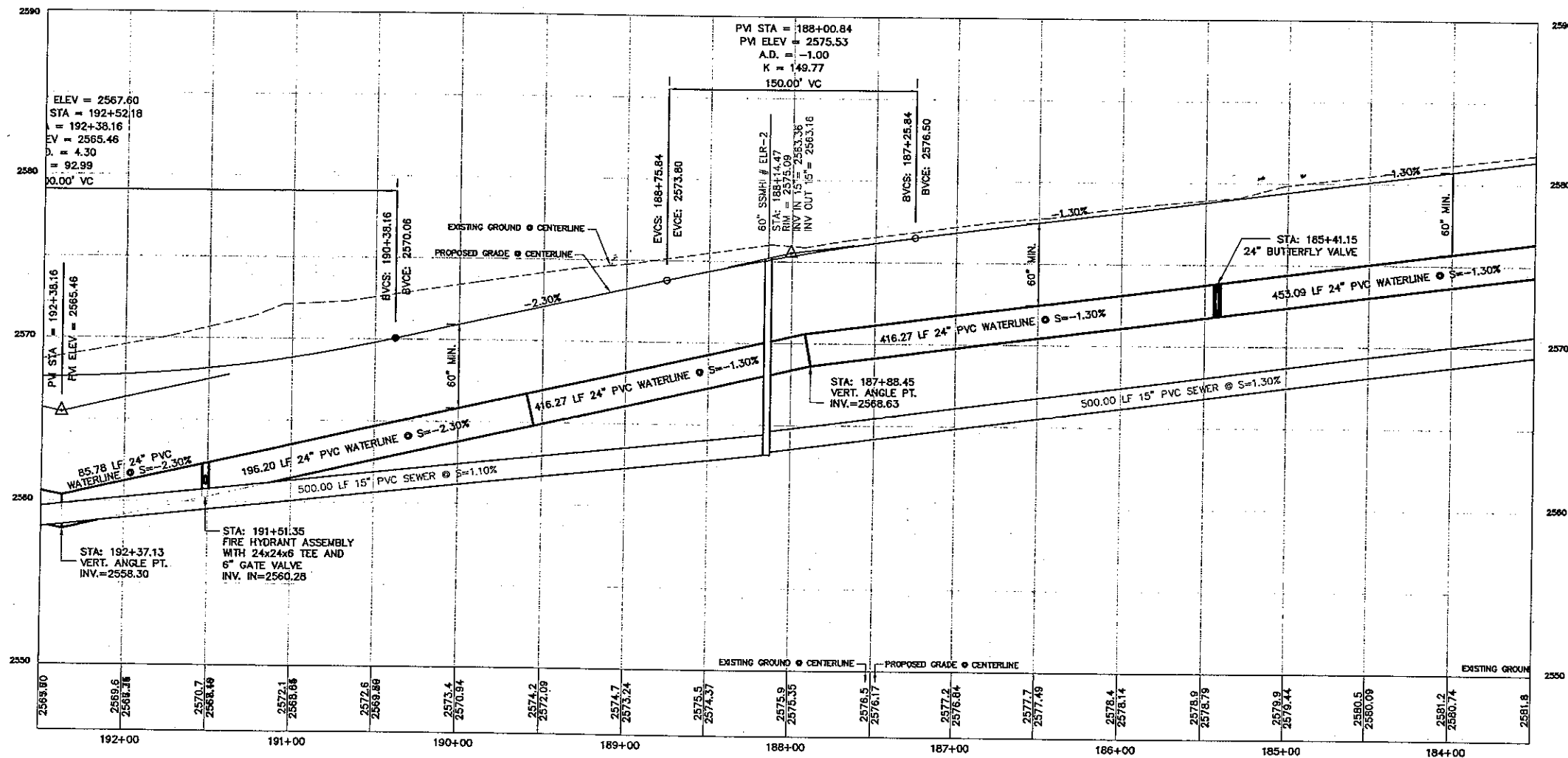
MOHAVE COUNTY

SHEET
UP-2
8 OF 16 SHEETS

SCI PROJECT#
18449.03.02



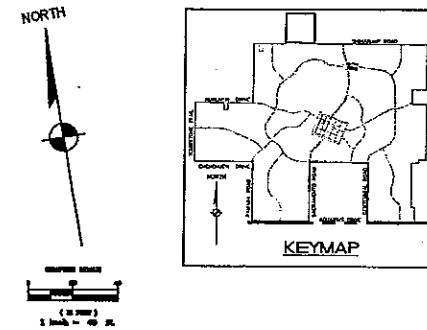
EAST LOOP ROAD - PLAN
SCALE: HORIZ 1"=40'



EAST LOOP ROAD - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'

WATER CONSTRUCTION NOTES

- ① INSTALL 24" C900 PVC WATER LINE
- ② INSTALL 24" BUTTERFLY VALVE
- ③ INSTALL 24" X 24" X 24" TEE
- ④ INSTALL 24" X 24" X 8" TEE
- ⑤ INSTALL 24" X 24" X 6" TEE
- ⑥ INSTALL 24" X 24" X 8" X 8" CROSS
- ⑦ INSTALL 24" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑧ INSTALL 24" 45° BEND
- ⑨ INSTALL 24" 22.5° BEND
- ⑩ INSTALL 8" C900 PVC WATER LINE
- ⑪ INSTALL 8" GATE VALVE
- ⑫ INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑬ INSTALL 8" 22.5° BEND
- ⑭ INSTALL 8" C900 PVC WATER LINE
- ⑮ INSTALL 8" GATE VALVE
- ⑯ INSTALL 8" CAP WITH BLOW-OFF PER M.A.G. STD. DTL. NO. 390
- ⑰ INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STD. DTL. NO. 360
- ⑱ INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KINGMAN STD. DTL. NO. 344
- ⑲ INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE



LEGEND

- WATER**
- WATER MAIN
 - 3/4" WATER METER
 - W/ 1" COPPER WATER LATERAL
 - 3/4" DUAL WATER METERS
 - W/ 1" COPPER WATER LATERALS
 - FIRE HYDRANT ASSEMBLY
 - TEE W/ VALVE
 - 2" BLOWOFF ASSEMBLY
 - GATE VALVE OR BUTTERFLY VALVE
 - 11 1/4", 22 1/2", 45°, 90° BEND

SEWER

- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- 48" STUB AND CAP
- SEWER BACK WATER VALVE

SEWER CONSTRUCTION NOTES

- ① INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
- ② INSTALL 15" PVC SEWER MAIN
- ③ INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NO. 440
- ④ INSTALL 15" PVC SEWER STUB & CAP
- ⑤ INSTALL 8" PVC SEWER MAIN
- ⑥ INSTALL 8" PVC SEWER STUB & CAP

BASIS OF BEARINGS

NORTH 001°33' EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GLA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NOS-OPUS.

M.C.S.D. "SD 35" - LATITUDE 35°09'22.43032"N, LONGITUDE 114°10'58.96305"W (NAD '83)
HEIGHT 2466.56824R (NAVD'83)

BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.
ELEVATION= 2552.488 FT (NAVD '29)
CONVERSION= 2662.014 FT (NAVD '83) - 2.546 = 2659.468 FT (NAVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1999 "RLS 10343", LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD AND BOLSA DRIVE

NOTE

ALL CONSTRUCTION SHALL CONFORM WITH THE SOLS REPORT PREPARED BY GEO TECH, INC. DATED APRIL 25, 2005. PROJECT NO. 5872-139

FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X
AZTEC AT CHAIR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 10-18-05

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. If needed, Call before you dig
MOH STATE
1-800-782-5348
(1-800-246C-80)

Avoid overhead power line contact. Call before you Overhead
1-928-753-5591
UPGRADE



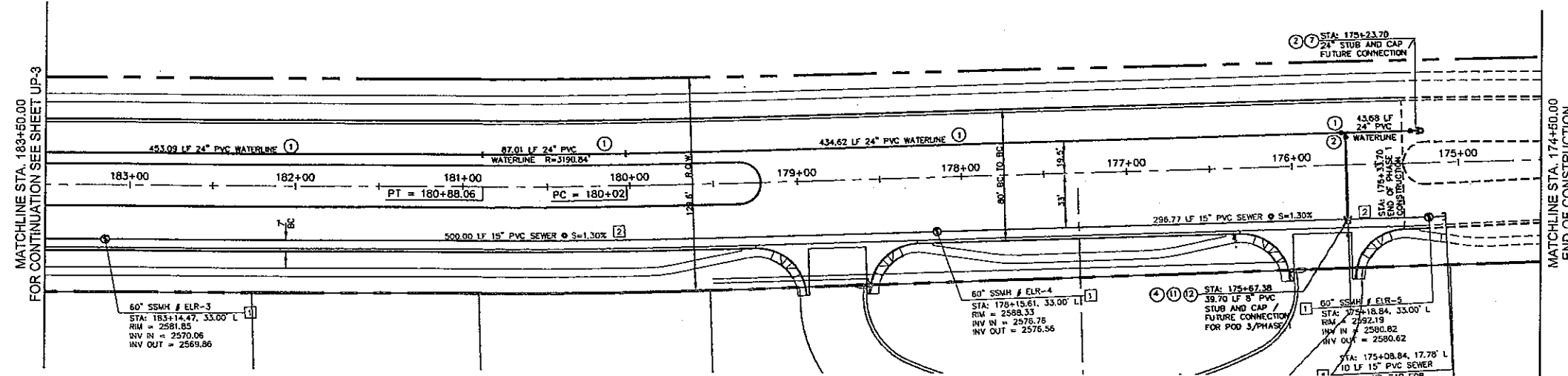
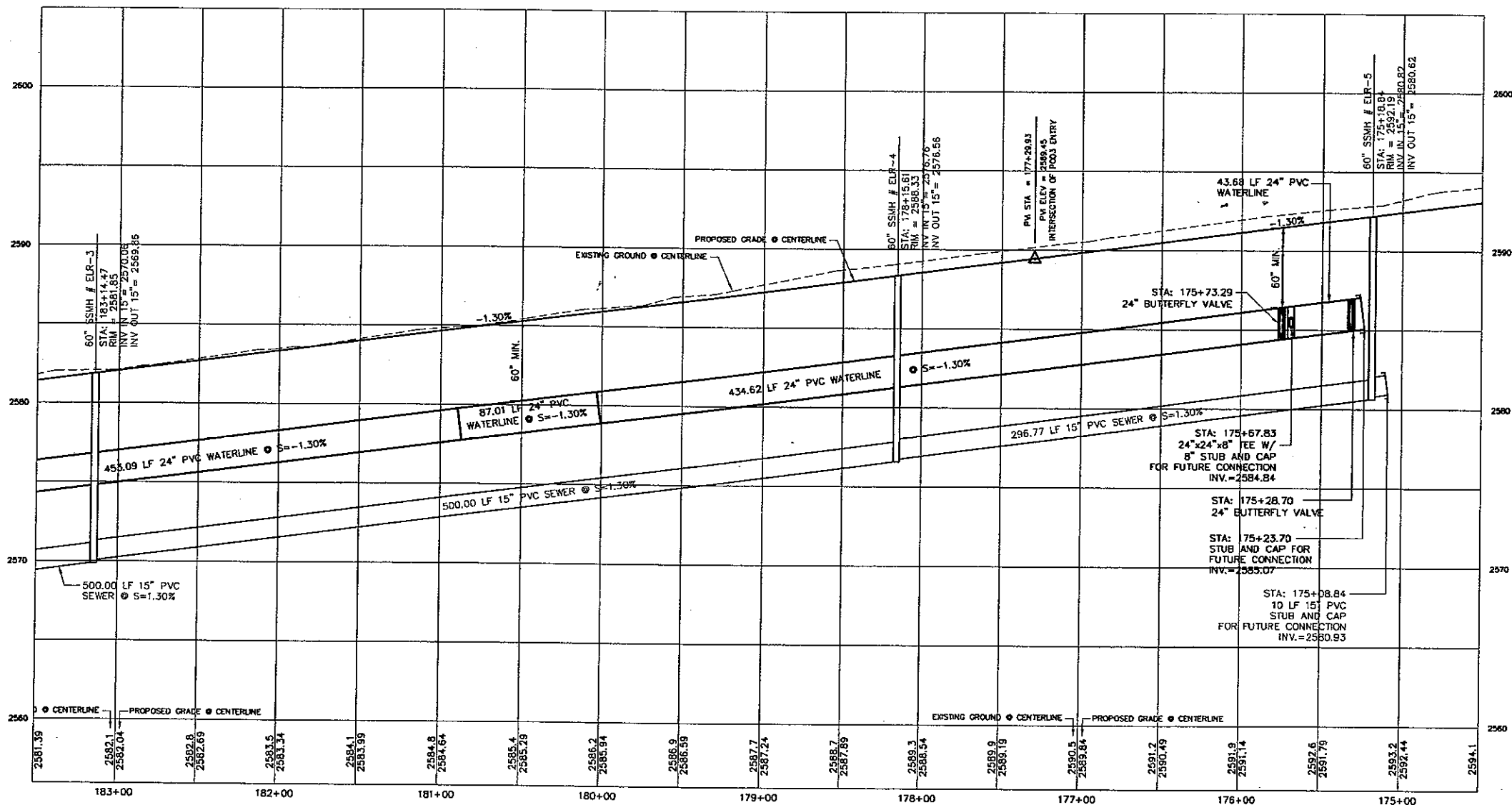
DATE	8/25/05
CHECKED BY	MPB
DRAWN BY	EMG
SCALE (H)	1" = 40'
SCALE (V)	1" = 4'

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Stanley Consultants INC.

RHODES HONES ARIZONA, LLC
GOLDEN VALLEY RANCH
EAST LOOP ROAD SECTION 3 IMPROVEMENTS
UTILITY PLAN AND PROFILE - STA. 192+50 - 184+50
MOHAVE COUNTY, ARIZONA

SHEET
UP-3
9 OF 16 SHEETS
SC PROJECT
10-18-05

EAST LOOP ROAD - PLAN
SCALE: HORIZ 1"=40'EAST LOOP ROAD - PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you dig
1-800-782-5348
(1-800-224-0000)

Call before you Overhead
1-928-753-5591
UNESCO

WATER CONSTRUCTION NOTES

- ① INSTALL 24" C900 PVC WATER LINE
- ② INSTALL 24" BUTTERFLY VALVE
- ③ INSTALL 24" X 24" X 24" TEE
- ④ INSTALL 24" X 24" X 8" TEE
- ⑤ INSTALL 24" X 24" X 6" TEE
- ⑥ INSTALL 24" X 24" X 8" X 8" CROSS
- ⑦ INSTALL 24" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
- ⑧ INSTALL 24" 45° BEND
- ⑨ INSTALL 24" 22.5° BEND
- ⑩ INSTALL 8" C900 PVC WATER LINE

- ⑪ INSTALL 8" GATE VALVE
- ⑫ INSTALL 8" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
- ⑬ INSTALL 8" 22.5° BEND
- ⑭ INSTALL 6" C900 PVC WATER LINE
- ⑮ INSTALL 6" GATE VALVE
- ⑯ INSTALL 6" CAP WITH BLOW-OFF PER M.A.C. STD. DTL. NO. 390
- ⑰ INSTALL FIRE HYDRANT ASSEMBLY PER M.A.C. STD. DTL. NO. 360
- ⑱ INSTALL 2" COPPER WATER LATERAL W/ BOX FOR FUTURE 2" WATER METER PER CITY OF KIMMAN STD. DTL. NO. 344
- ⑲ INSTALL (2) 4" PVC IRRIGATION SLEEVES AND (1) 6" IRRIGATION SLEEVE

LEGEND

WATER

- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- 3/4" DUAL WATER METERS
- W/ 1" COPPER WATER LATERALS
- FIRE HYDRANT ASSEMBLY
- TEE W/ VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4", 22 1/2", 45°, 90° BEND

SEWER

- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- 48" STUB AND CAP
- SEWER BACK WATER VALVE

SEWER CONSTRUCTION NOTES

- ① INSTALL 48" DIAMETER MANHOLE PER M.A.C. STANDARD DETAIL NO. 420
- ② INSTALL 15" PVC SEWER MAIN
- ③ INSTALL 4" PVC SEWER LATERAL PER M.A.C. STANDARD DETAIL NO. 440
- ④ INSTALL 15" PVC SEWER STUB & CAP
- ⑤ INSTALL 8" PVC SEWER MAIN
- ⑥ INSTALL 8" PVC SEWER STUB & CAP

BASIS OF BEARING

NORTH 001°35' EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" = LATITUDE 35°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD '83)
HEIGHT 2466.568241 (NAVD'88)

BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.
ELEVATION= 2659.488 FT (NGVD '29)
CONVERSION= 2662.014 FT (NAVD '88) - 2.546 = 2659.468 FT (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE
STAMP MOHAVE COUNTY 1999 "TULS 10345"
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD AND BOLSA DRIVE

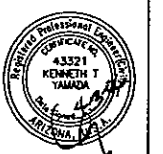
NOTE

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TEK, INC., DATED APRIL 28, 2008, PROJECT NO. 5821-LV2.

FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X
AZTEC AT CHAIR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 10-18-05



DATE	8/25/05
CHECKED BY	MPB
DRAWN BY	ENG
SCALE (V)	1" = 4'
SCALE (H)	1" = 40'

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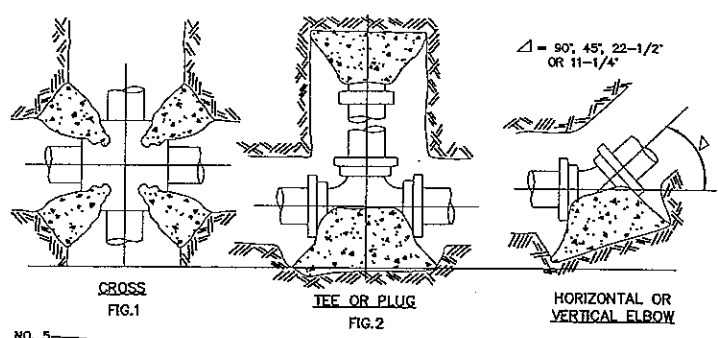
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Tel: (702) 589-9793
www.stanleygroup.com



RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

EAST LOOP ROAD SECTION 3 IMPROVEMENTS
UTILITY PLAN AND PROFILE - STA. 183+50 - 174+50
MOHAVE COUNTY

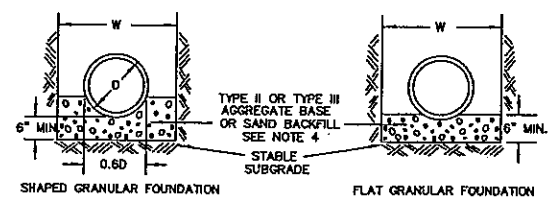
SHEET
UP-4
10 OF 16 SHEETS
SC PROJECT#
18449.03.02



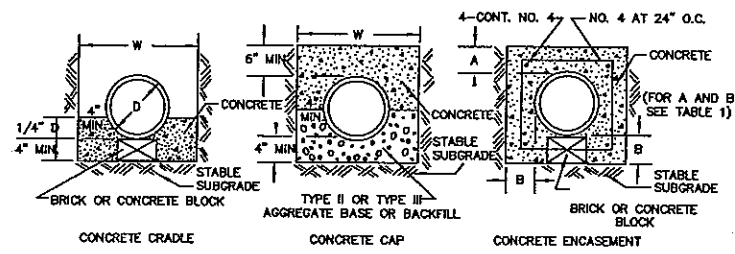
- NOTES:**
1. ALL FITTINGS AND EXPOSED REBAR TO BE COATED WITH EC 244 AND WRAPPED WITH TWO LAYERS OF 6 MIL. POLYETHYLENE.
 2. TABLE BELOW DENOTES MINIMUM BEARING AREA OR VOLUME OF THURST BLOCK. SPECIAL DESIGN FOR EACH INSTALLATION IS REQUIRED IF ALLOWABLE SOIL BEARING CAPACITY IS LESS THAN 3000 P.S.F.
 3. PLACE CONCRETE AGAINST UNDISTURBED EARTH.
 4. VERTICAL SURFACES NOT BEARING AGAINST UNDISTURBED EARTH SHALL BE FORMED.

SIZE OF PIPE	MINIMUM BEARING AREA IN SQUARE FEET/CUBIC YARDS OF CONCRETE					
	FIG. 1	FIG. 2	FIG. 3	FIG. 4	FIG. 5	FIG. 6
4"	2	2	1	1	1.0	.5
6"	2	3	2	1	1.5	.5
8"	2	5	3	2	2.0	.5
10"	3	7	5	3	4.0	2.0
12"	3	10	8	4	2	
14"	4	14	10	5		
16"	4	20	12	7		
18"	5	24	16	10		
20"	5	28	20	12		

THURST BLOCK DETAILS
DT2
PUBLIC STREET
N.T.S.



CLASS B BEDDING (NORMAL BEDDING)



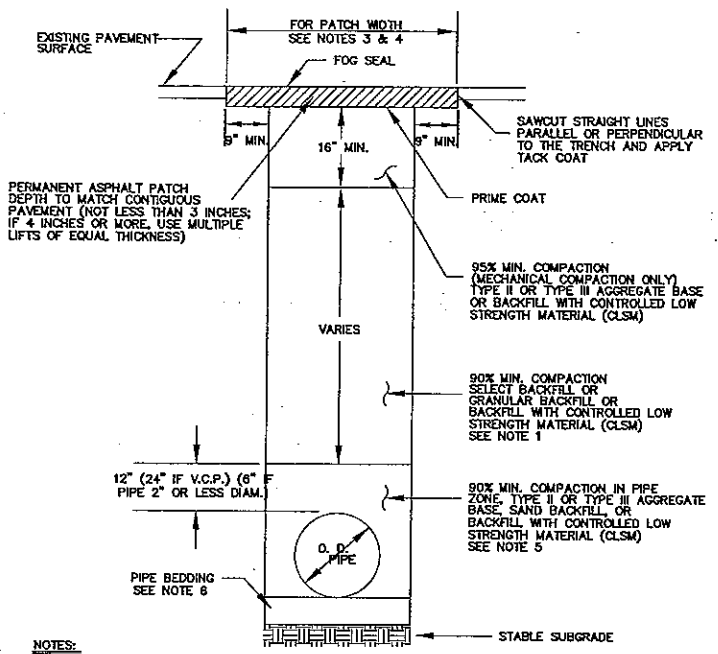
CLASS A BEDDING (CONCRETE BEDDING)

TABLE 1					
PIPE SIZE	B	A	SIZE	B	A
6"	4"	4"	24"	6"	6"
8"	4"	4"	27"	7"	6"
10"	4"	4"	30"	8"	6"
12"	4"	4"	33"	8"	6"
15"	4"	4"	36"	9"	6"
18"	5"	5"	39"	9"	6"
21"	5"	5"	42"	10"	6"

D = OUTSIDE DIAMETER OF PIPE
W = OUTSIDE DIAMETER OF PIPE + 24" MAXIMUM

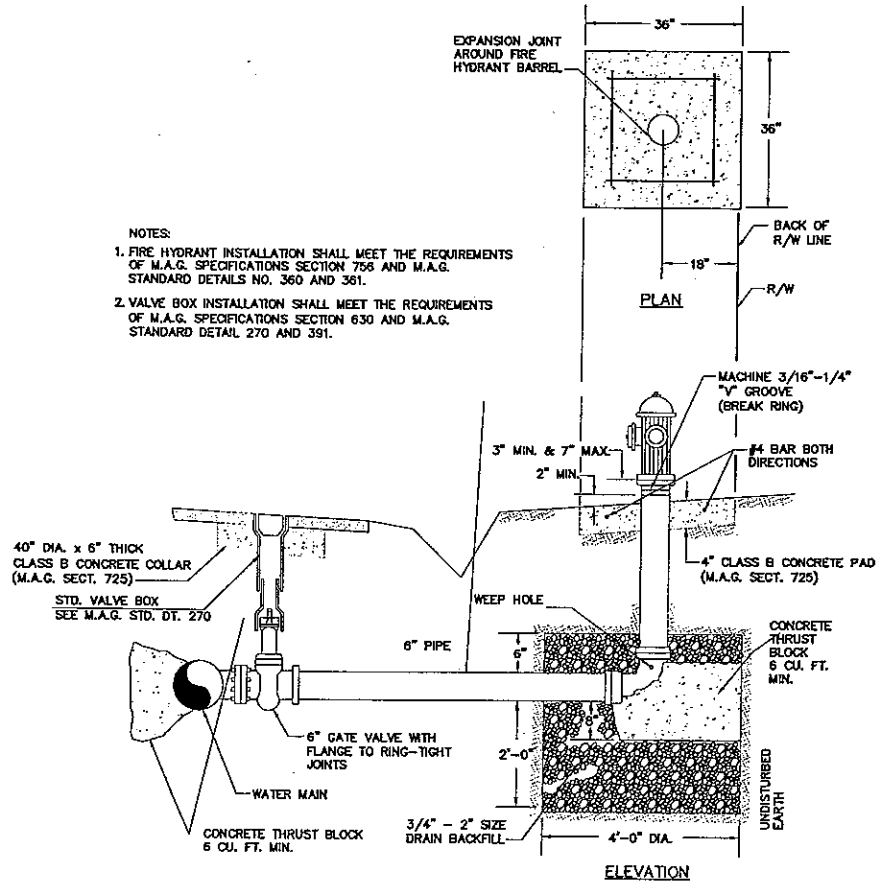
- NOTES:**
1. PIPE BEDDING TO BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY. SUBGRADE SHALL CONFORM TO RESPECTIVE ENTITY REQUIREMENTS.
 2. INDICATED THICKNESS OF BEDDING MATERIAL TO BE CONSTRUCTED UNDER THE BARREL. SUBGRADE TO BE EXCAVATED TO PROVIDE 2" CLEARANCE UNDER THE BELL.
 3. OTHER BEDDING METHODS MAY BE SPECIFIED OR APPROVED.
 4. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY.

PIPE TRENCH BEDDING METHODS
DT2
PUBLIC STREET
N.T.S.

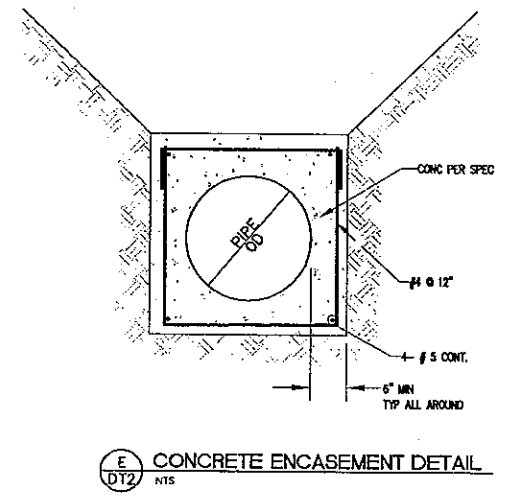


- NOTES:**
1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
 2. IF SAWCUT IS WITHIN THREE FEET OF EDGE OF EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
 3. PATCHES SHALL BE WIDTH (4 FEET MINIMUM) SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGENCY APPROVED SPREADER BOX OR PAVING MACHINE. ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11.
 4. FOR CONDUIT TRENCHES 6 INCHES WIDE OR LESS WITHIN 2 FEET OF THE CURB, PATCHES SHALL EXTEND A MINIMUM OF 4 FEET FROM UP OF GUTTER AND PAVEMENT SHALL BE REMOVED TO CURB AND GUTTER. WIDTH SHALL BE SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGENCY APPROVED SPREADER BOX OR PAVING MACHINE. ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11. SAWCUT SHALL NOT BE PLACED IN WHEEL PATH AREA.
 5. TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE AGENCY REQUIREMENTS.
 6. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. SEE STANDARD DRAWING NO. 505 FOR PIPE BEDDING METHODS.
 7. LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.

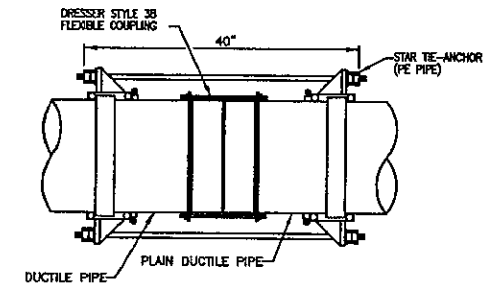
TRENCH BACKFILL DETAIL
DT2
PUBLIC STREET
N.T.S.



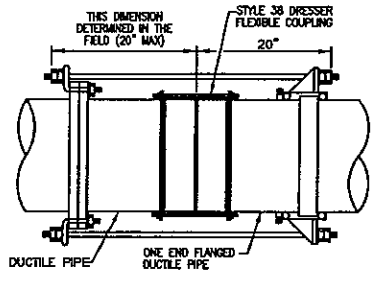
FIRE HYDRANT ASSEMBLY DETAIL
DT2
PUBLIC STREET
N.T.S.



CONCRETE ENCASEMENT DETAIL
DT2
N.T.S.



FLEXIBLE COUPLING DETAIL - A-P12
NOT TO SCALE
DT2



DOUBLE MECHANICAL JOINT

PIPE SIZE	TIE ROD DIA	NO. TIE RODS REQ'D	TIE BOLT DIA
6"	3/8"	2	3/8"
10"	3/8"	4	3/8"
12"	3/8"	4	3/8"
14"	1"	4	1"
16"	1"	4	1"
18"	1"	6	1"
24"	1"	10	1"
36"	1"	20	1"

- NOTES:**
1. PROVIDE TIE RODS WHERE FLEXIBLE COUPLING RESTRAINTS ARE SPECIFIED AND AT ALL OTHER LOCATIONS INDICATED ON THE DRAWINGS.
 2. ORIENT AND SPACE TIE RODS AS REQUIRED TO EVENLY DISTRIBUTE PIPE PRESSURE.

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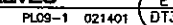
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GOLDEN VALLEY RANCH

EAST LOOP ROAD SECTION 3 IMPROVEMENTS
DETAIL SHEET

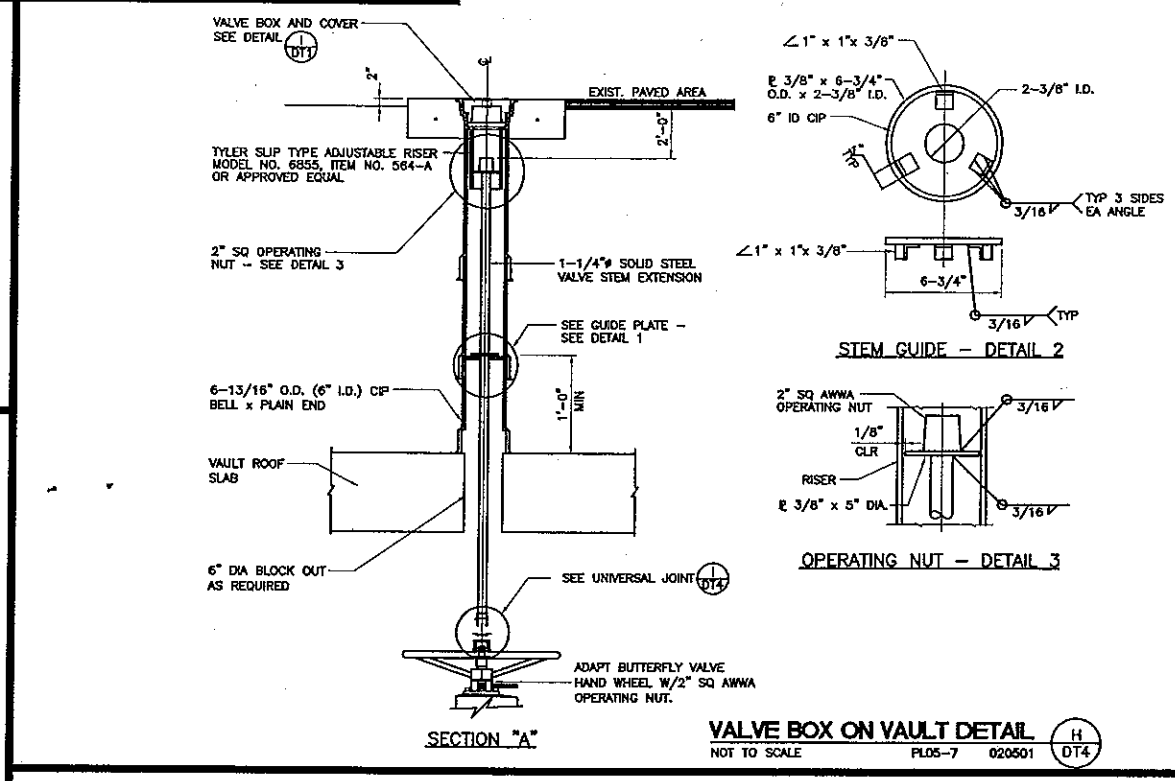
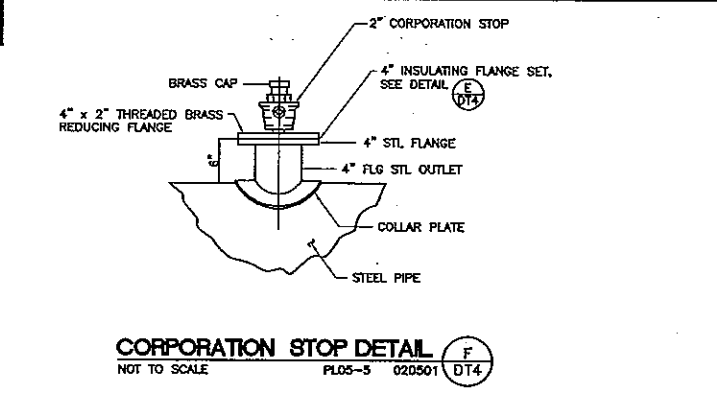
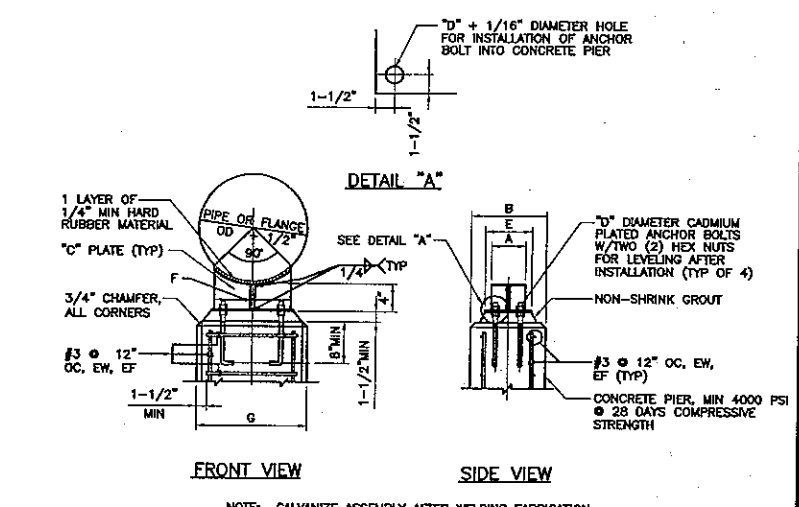
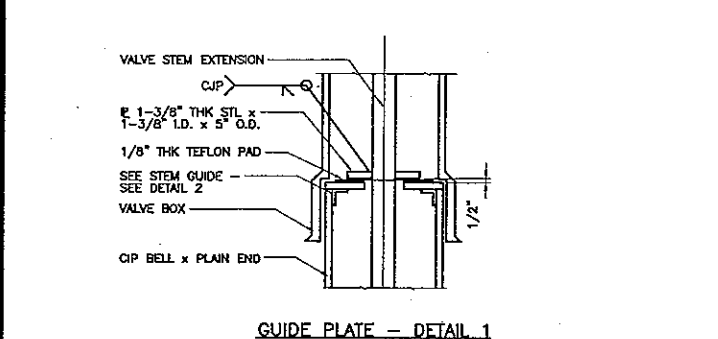
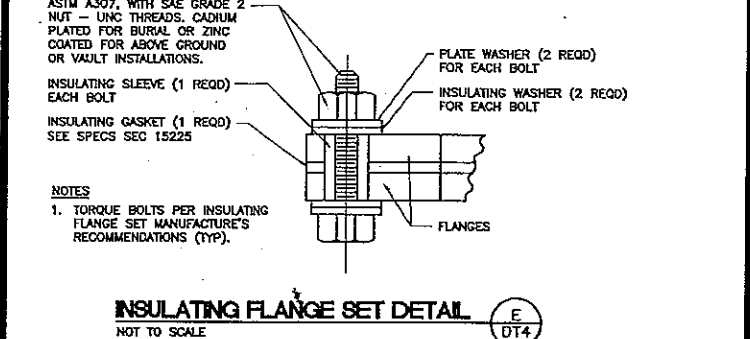
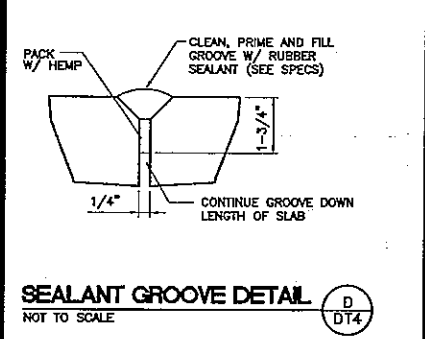
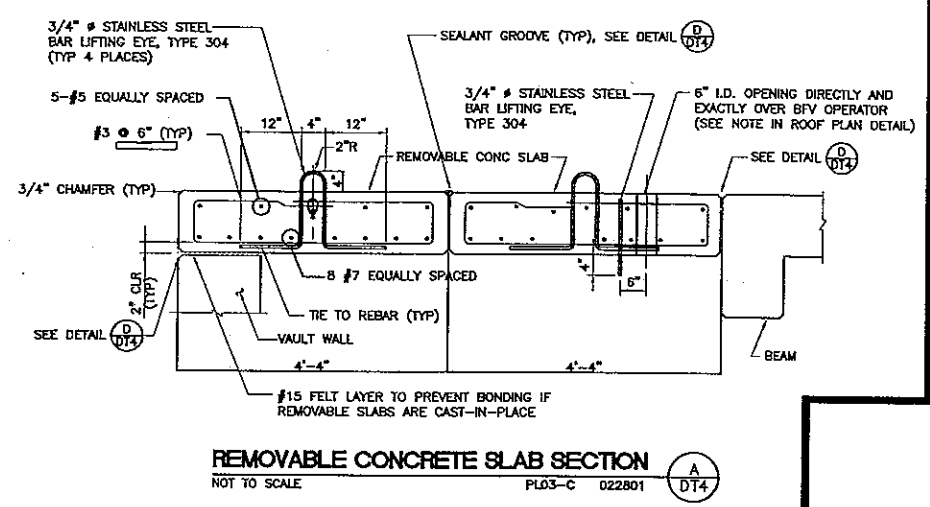
MCRAVE COUNTY
ARIZONA

SHEET
DT-1
12 OF 16 SHEETS

SCI PROJECT#
18449.03.03

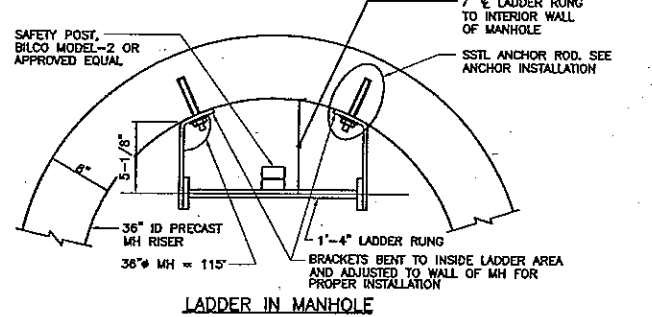
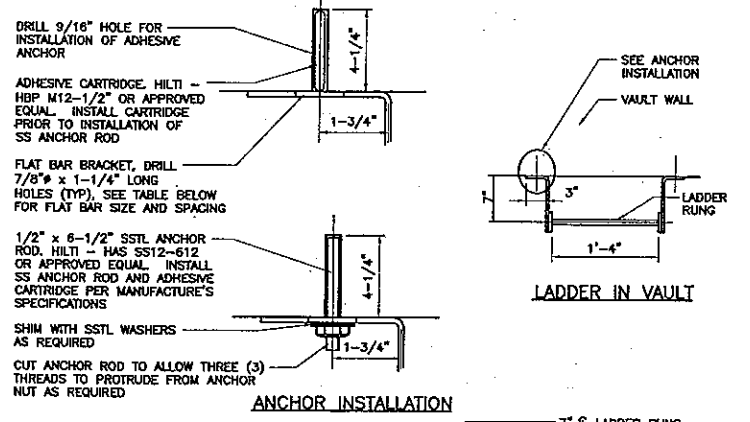


SHEET
DT-2
3 OF 16 SHEETS
SCI PROJECT#
18449.03.03



PIPE SUPPORT TABLE									
NOMINAL PIPE SIZE	A B C D E					SUPPORTING			
						STL CYL PIPE		FLANGE	
						F	G	F	G
12"	4"	12"	3/8"	5/8"	6"	10"	14"	14"	18"
16"	4"	12"	3/8"	5/8"	6"	12"	16"	17"	21"
18"	4"	12"	3/8"	5/8"	6"	14"	18"	18"	22"
20"	4"	12"	3/8"	5/8"	6"	16"	20"	20"	24"
24"	4"	12"	3/8"	5/8"	6"	19"	23"	23"	27"
30"	5"	12"	3/8"	3/4"	6"	23"	29"	28"	34"
36"	6"	15"	3/8"	3/4"	6"	27"	33"	33"	39"
42"	6"	18"	1/2"	1"	8"	32"	38"	38"	44"
48"	6"	18"	1/2"	1"	8"	36"	42"	42"	48"
54"	6"	18"	1/2"	1"	8"	40"	46"	47"	53"
60"	6"	18"	1/2"	1"	8"	44"	50"	52"	58"
66"	6"	18"	1/2"	1"	8"	48"	54"	57"	63"
72"	6"	18"	1/2"	1"	8"	52"	58"	62"	68"

PIPE SUPPORT DETAIL (B) DT4. NOT TO SCALE.

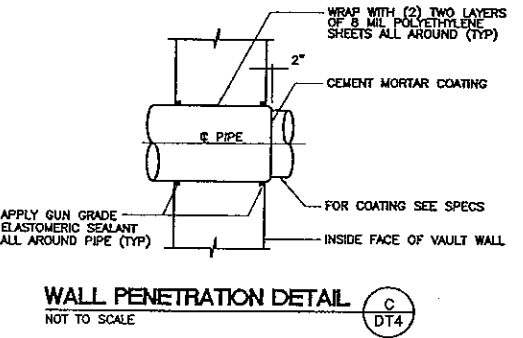
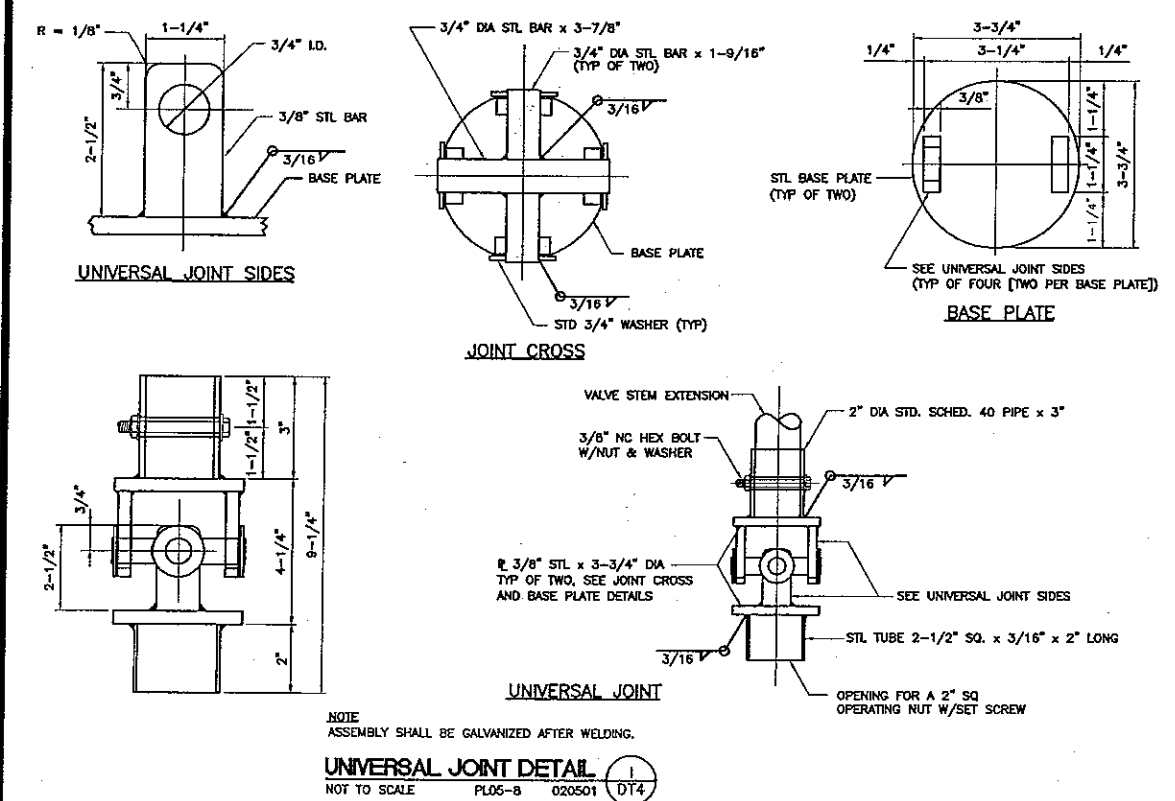


BRACKET SPACING TABLE

BRACKET SPACING	FLAT BAR SIZE
5'-0" TO 20'-0" OC MAX	3" x 3/8"
OVER 20'-0"	4" x 1/2"

- NOTES
1. LANDING PLATFORM REQUIRED EVERY 20'-0" OF HEIGHT OR FRACTION THEREOF FOR OPEN LADDER. FOR LADDER WITH CAGE, PLATFORM SPACING IS 30'-0" MAX (OSHA 1910.27).
 2. APPROVAL OF THE ENGINEER REQUIRED FOR ANY BRACKET SPACING OVER 5'-0" OC (SEE BRACKET SPACING TABLE FOR BAR SIZE).
 3. LADDER SHALL BE MADE OF MILD CARBON STEEL WITH 3/4" SMOOTH BAR RUNGS PLUG WELDED TO RUNNERS.
 4. GALVANIZE LADDER ASSEMBLY AFTER WELDING.

LADDER INSTALLATION DETAILS (G) DT4. NOT TO SCALE. PL05-8 022801.



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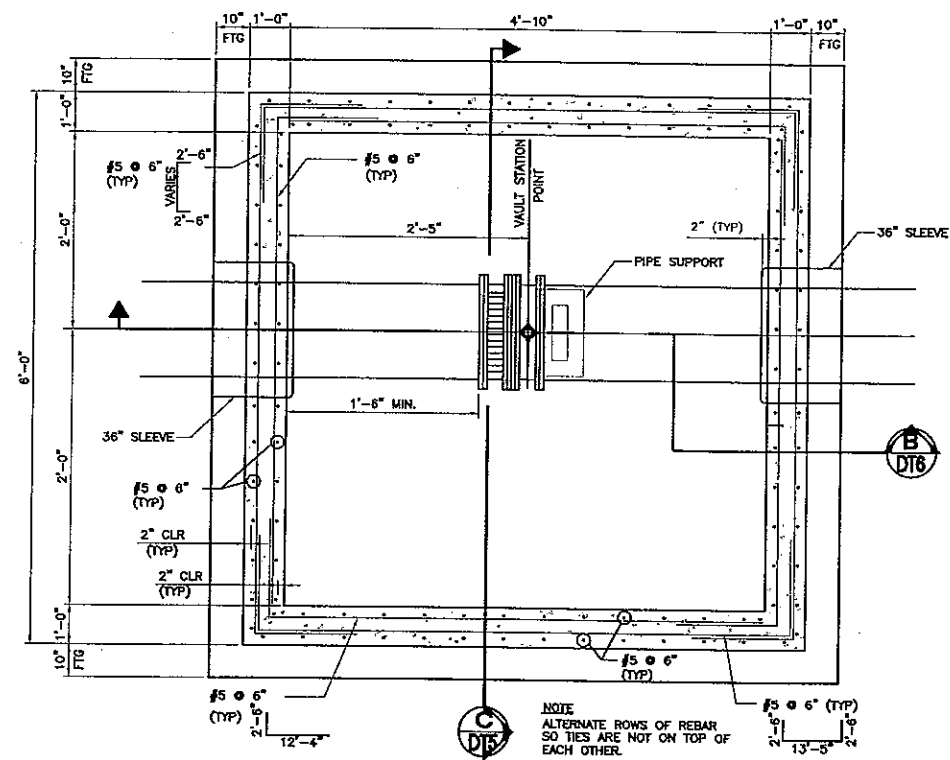
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GOLDEN VALLEY RANCH
EAST LOOP ROAD SECTION 3 IMPROVEMENTS
DETAIL SHEET

ARIZONA
MOHAVE COUNTY

SHEET
DT-3
14 OF 16 SHEETS
SCI PROJECT#
18449.03.03

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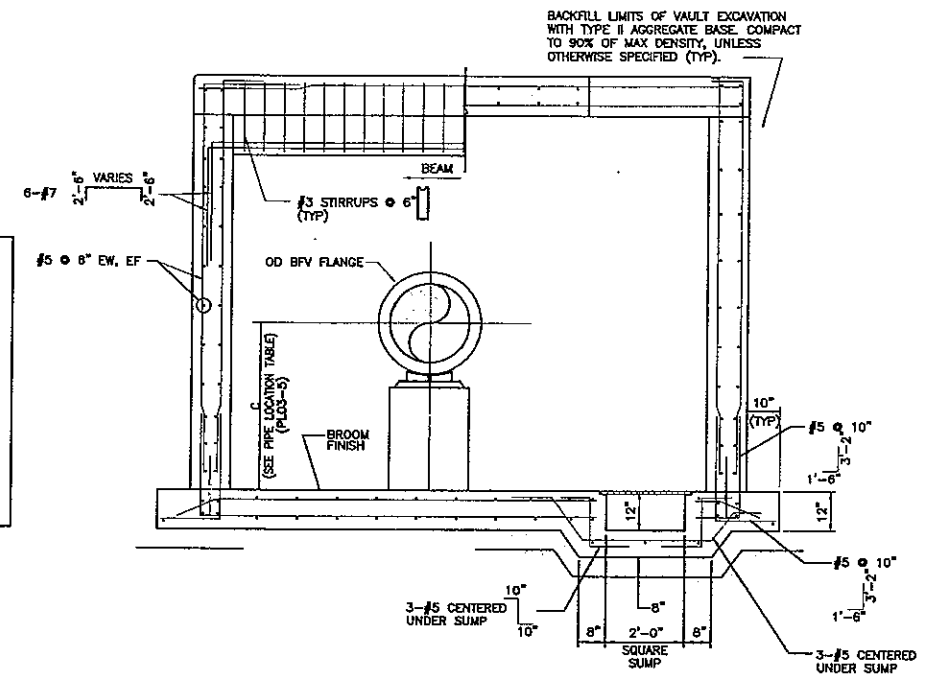
VALVE VAULT SECTIONAL PLAN
WITH (1) VALVE AND NO TEE
NOT TO SCALE

A
DT5

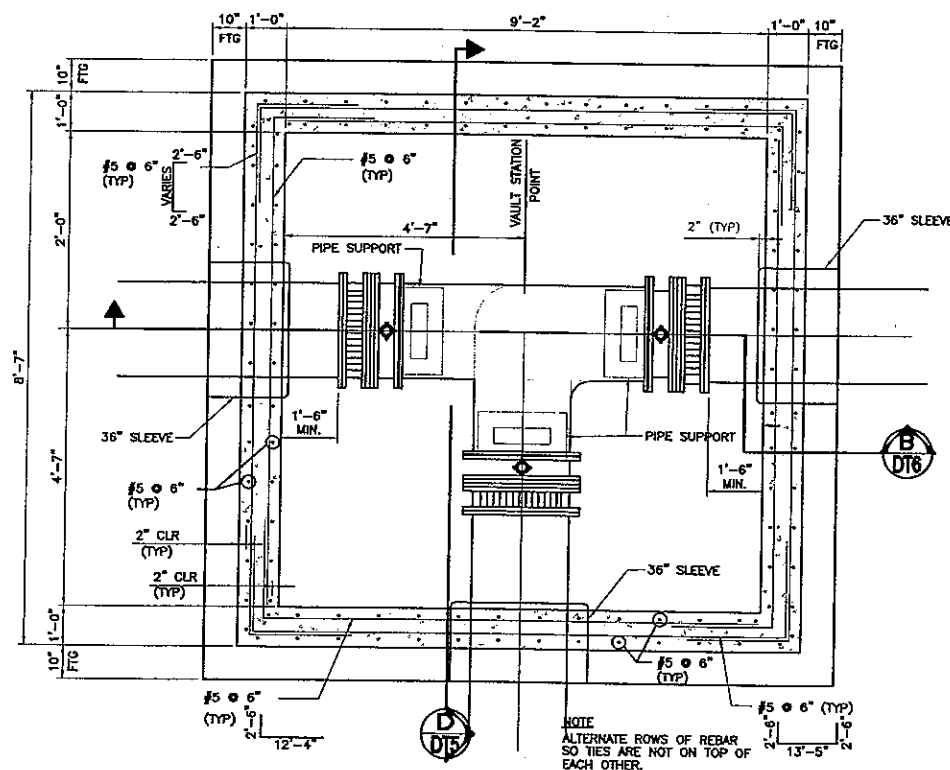
DESIGNER NOTES:

1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAILED WITH A STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT PLANS SHALL INDICATE THE PIPE LINE STATION REFERENCED TO THE VAULT STATIONING POINT, THE VAULT ORIENTATION TO NORTH, THE LOCATION AND PLAN ORIENTATION OF ALL OF THE VAULT APPURTENANCES AND THE MANHOLE ACCESS COVER.
2. EACH VAULT PLAN, SECTIONS AND DETAILS SHALL INDICATE ALL LAYOUT DIMENSIONS AS DETERMINED BY THE DESIGN ENGINEER OR AS REFERENCED TO DIMENSIONS ON THE "VAULT DIMENSION TABLE" PLO3-8 AND THE "PIPE LOCATION TABLE" PLO3-5 IN THESE STANDARD DETAILS.

(DESIGNER NOTES TO BE DELETED FROM DRAWING)



VALVE VAULT SECTION
WITH (1) VALVE AND NO TEE
NOT TO SCALE

C
DT5

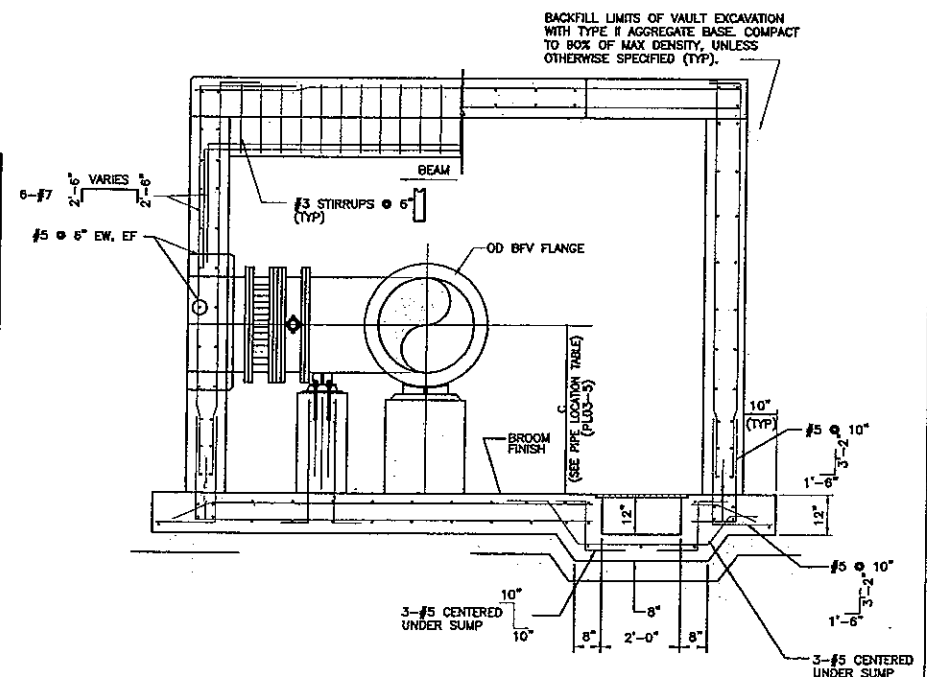
VALVE VAULT SECTIONAL PLAN
WITH (3) VALVE AND TEE
NOT TO SCALE

B
DT5

DESIGNER NOTES:

1. EACH VAULT SHOWN ON THE PIPELINE PLAN SHALL BE DETAILED WITH A STRUCTURAL PLAN, A MECHANICAL PIPING PLAN AND ALL OTHER REQUIRED SECTIONS AND DETAILS. THE VAULT PLANS SHALL INDICATE THE PIPE LINE STATION REFERENCED TO THE VAULT STATIONING POINT, THE VAULT ORIENTATION TO NORTH, THE LOCATION AND PLAN ORIENTATION OF ALL OF THE VAULT APPURTENANCES AND THE MANHOLE ACCESS COVER.
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(DESIGNER NOTES TO BE DELETED FROM DRAWING)



VALVE VAULT SECTION
WITH (3) VALVE AND TEE
NOT TO SCALE

D
DT5

SCALE (H) N.T.S.

SCALE (V) N.T.S.

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DATE 3/31/06

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SHEET
DT-4
15 OF 16 SHEETS
SCS PROJECT#
18448.03.03



SCALE (H) N.T.S.
SCALE (V) N.T.S.
DRAWN BY EMG
CHECKED BY MPB
DATE 3/31/06

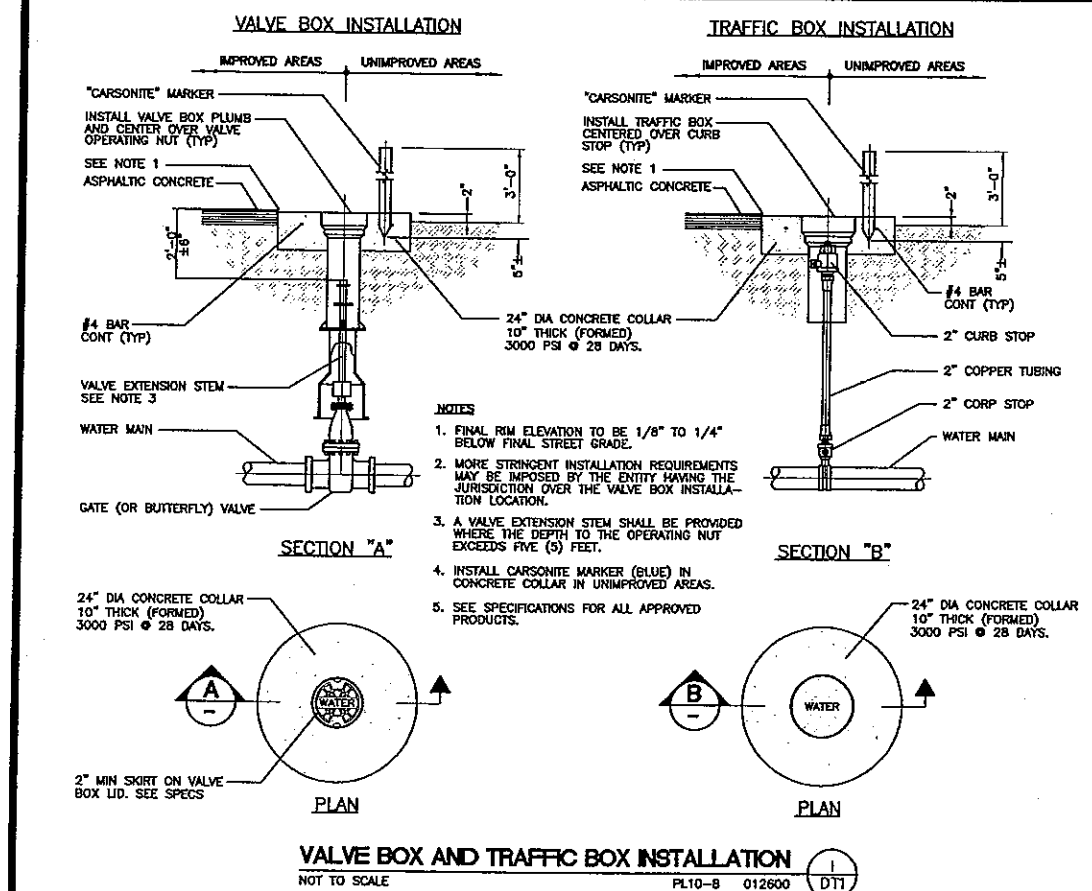
5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
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PHOENIX HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH
MOHAVE COUNTY ARIZONA

SHEET
DT-5
OF 16 SHEETS
SCI PROJECT#
18449.03.03



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